National Programme on Technology Enhanced Learning

NPTEL Video Courses Information in Supplementary Formats

(Document Last Updated : May 16, 2020)

No	NPTEL Information Summary	Status	Courses	Lectures
1	NPTEL Video Courses (2003 to June 2020)	Completed	1625	70,815
2	NPTEL Video Courses (PDF Transcription)	Completed	1453	61,688
3	NPTEL Video Courses (SRT Transcription)	Completed	1516	64,008

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NPTEL VIDEO COURSES INFORMATION IN SUPPLEMENTARY FORMATS

PDF Transcriptions, HTML-5 Support, Video Sub-Titles (for Media Player / Web), Video Size

Total NPTEL Video Courses : 1,625 | Total NPTEL Video Lectures : 70,815 (Updated: May 16, 2020)

No.	ID	Name of the Engineering Discipline	Total Video Courses	Total Video Lectures	Size (GB)
1	101	Aerospace Engineering	41	1,729	669
2	102	Biotechnology	55	2,196	1160
3	103	Chemical Engineering	92	4,006	1938
4	104	Chemistry and Biochemistry	76	3,323	1838
5	105	Civil Engineering	128	5,427	2244
6	106	Computer Science and Engineering	160	8,129	2635
7	107	Engineering Design	14	526	279
8	108	Electrical Engineering	147	7,343	3142
9	109	Humanities and Social Sciences	138	5,107	2569
10	110	Management	110	4,983	1630
11	111	Mathematics	101	4,632	1855
12	112	Mechanical Engineering	203	8,204	2934
13	113	Metallurgy and Material Science	60	2,492	950
14	114	Ocean Engineering	26	1,207	530
15	115	Physics	64	3,060	1315
16	116	Textile Engineering	12	379	258
17	117	Electronics and Communication Engineering	85	3,654	1032
18	118	Nanotechnology	2	85	54
19	119	Atmospheric Science	3	121	51
20	121	General	12	372	241
21	122	Basic Courses (Semester 1 and 2)	21	657	170
22	123	Mining Engineering	3	96	27
23	124	Architecture	14	543	150
24	126	Agriculture	17	856	193
25	127	Multi-Disciplinary	23	961	422
26	128	Special Lecture Series	12	466	371
27	MC	Medical Courses	6	261	39
		Total :	1,625	70,815	28,696

No	Course ID	Lec	Name of the NPTEL Video Course	PDF	HT5	VST	SIZE (GB)
Discipline : Aerospace Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/aerospace-engineering.pdf							
1	101101001	40	Introduction to Aerospace Propulsion	Y	Y	Y	35
2	101101002	42	Jet Aircraft Propulsion	Y	Y	Y	30
3	101101058	40	Turbomachinery Aerodynamics	Y	Y	Y	21
4	101104005	26	Aero elasticity	Y	Y	Y	9.2
5	101104013	40	Foundation of Scientific Computing	Y	Y	Y	8.1
6	101104015	39	Instability and Transition of Fluid Flows	Y	Y	Y	17
7	101104017	26	Introduction to Helicopter Aerodynamics and Dynamics	Y	Y	Y	16
8	101104018	40	Introduction to Propulsion	Y	Y	Y	16
9	101104019	40	Jet and Rocket Propulsion	Y	Y	Y	15
10	101105024	40	High Speed Aero Dynamics	Y	Y	Y	12
11	101105030	45	Space Flight Mechanics	Y	Y	Y	13
12	101105059	46	Introduction to Aerodynamics	Y	Y	Y	15
13	101106031	41	Acoustic Instabilities in Aerospace Propulsion	Y	Y	Y	17
14	101106033	42	Aerospace Propulsion	Y	Y	Y	20
15	101106042	41	Flight Dynamics II (Stability)	Y	Y	Y	17
16	101106044	54	Gas Dynamics	Y	Y	Y	24
17	101106045	39	Introduction to CFD	Y	Y	Y	16
18	101108047	40	Advanced Control System Design for Aerospace Vehicles	Y	Y	Y	19
19	101108057	40	Optimal Control, Guidance and Estimation	Y	Y	Y	11
20	101104061	48	NOC:Introduction to Airplane Performance	Y	Y	Y	3.4
21	101104062	60	NOC:Stability and Control of Aircraft	Y	Y	Y	4.7
22	101106037	51	Combustion	Y	Y	Y	50
23	101104064	43	NOC:Aircraft Dynamic Stability and Design Stability Augmentation System	Y	Y	Y	3.2
24	101104063	38	NOC:Engineering Thermodynamics (2016)	Y	Y	Y	4.6
25	101104066	21	NOC:Introduction to Experiments in Flight	Y	Y	Y	1.3
26	101104065	40	NOC:Introduction to Ancient Indian Technology	Y	Y	Y	3.4
27	101104067	58	NOC:Engineering Thermodynamics (2017)	Y	Y	Y	2.5
28	101108068	62	NOC:Combustion in Air Breathing Aero Engines	Y	Y	Y	16
29	101104069	46	NOC:Aircraft Design	Y	Y	Y	4.8
30	101104071	14	NOC:Aircraft Maintenance	Y	Y	Y	5.2
31	101104070	40	NOC:Fundamentals of Combustion - Part I	Y	Y	Y	8.5
32	101104072	40	NOC:Fundamentals of Combustion - Part II	Y	Y	Y	8.4
33	101104073	23	NOC:Design of Fixed Wing Unmanned Aerial Vehicles	Y	Y	Y	8.6
34	101104074	40	NOC:Introduction to Finite Volume Methods-I	Y	Y	Y	16

35	101104075	28	NOC:Advance Aircraft Maintenance	Y	Y	Y	19
36	101104076	40	NOC:Introduction to Finite Volume Methods-II	Y	Y	Y	16
37	101105077	73	NOC:Satellite Attitude Dynamics and Control	Y	Y	Y	25
38	101101079	67	NOC:Introduction to Aerospace Engineering	Y	Y	Y	34
39	101104078	60	NOC:Introduction to Rocket Propulsion	---	Y	Y	15
40	101105081	40	NOC:Vibration and Structural Dynamics	---	Y	Y	11
41	101106082	36	NOC:Rocket Propulsion	---	Y	Y	77
Discipline : Biotechnology Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/biotechnology.pdf							
1	102101003	39	Biomathematics	Y	Y	Y	29
2	102101007	40	Proteomics: Principles and Techniques	Y	Y	Y	34
3	102102033	28	Enzyme Science and Engineering	Y	Y	Y	4.9
4	102104042	40	Animal Physiology	Y	Y	Y	15
5	102104043	40	Bio electricity	Y	Y	Y	12
6	102106022	40	Downstream Processing	Y	Y	Y	17
7	102106026	40	Thermodynamics	Y	Y	Y	17
8	102107028	41	Analytical Technologies in Biotechnology	Y	Y	Y	24
9	102101050	21	NOC:Mass spectrometry based proteomics	Y	Y	Y	1.5
10	102106048	20	NOC:Principles of Downstream techniques in Bioprocess	Y	Y	Y	2.4
11	102101049	21	NOC:Proteins and Gel-Based Proteomics	Y	Y	Y	1.7
12	102106051	40	NOC:Biostatistics and Design of Experiments	Y	Y	Y	14
13	102106053	21	NOC:Bioreactors	Y	Y	Y	5.3
14	102104052	15	NOC:Human Molecular Genetics	Y	Y	Y	1.2
15	102101054	40	NOC:Interactomics: Protein Arrays and Label-free Biosensors	Y	Y	Y	28
16	102106057	40	NOC:Medical Biomaterials	Y	Y	Y	15
17	102104056	19	NOC:Functional Genomics	Y	Y	Y	1.6
18	102101056	40	NOC:Introduction to Biostatistics	Y	Y	Y	18
19	102103056	24	NOC:Introduction to Dynamical Models in Biology	Y	Y	Y	5.2
20	102104057	40	NOC:Bioenergy	Y	Y	Y	2.2
21	102107058	20	NOC:Biomedical Nanotechnology	Y	Y	Y	4.7
22	102101058	40	NOC:Introduction to Mechanobiology	Y	Y	Y	34
23	102104058	40	NOC:Animal Physiology	Y	Y	Y	2.3
24	102104059	40	NOC:Cell Culture Technologies	Y	Y	Y	1.4
25	102104060	40	NOC:Forest Biometry	Y	Y	Y	1.8
26	102105058	60	NOC:Industrial Biotechnology	Y	Y	Y	15
27	102106066	18	NOC:Demystifying the Brain	Y	Y	Y	30
28	102104061	20	NOC:Introduction To Professional and Scientific Communication	Y	Y	Y	5.3
29	102104062	20	NOC:Bioelectrochemistry	Y	Y	Y	3.9

30	102104063	20	NOC:Bioenergetics Of Life Processes	Y	Y	Y	3.9
31	102101067	40	NOC:Introductory Mathematical Methods for Biologists	Y	Y	Y	36
32	102101055	40	NOC:Introduction to Proteomics	Y	Y	Y	16
33	102106065	69	NOC:BioInformatics:Algorithms and Applications	Y	Y	Y	34
34	102105064	60	NOC:Aspects Of Biochemical Engineering	Y	Y	Y	16
35	102101068	40	NOC:Bioengineering: An Interface with Biology and Medicine	Y	Y	Y	35
36	102104068	40	NOC:Wildlife Conservation	Y	Y	Y	13
37	102104069	40	NOC:Nanotechnology in Agriculture	Y	Y	Y	6.4
38	102105068	20	NOC:Biomicrofluidics	Y	Y	Y	5.7
39	102106068	103	NOC:Computational Systems Biology	Y	Y	Y	126
40	102106069	69	NOC:Material and Energy Balances	Y	Y	Y	60
41	102106070	40	NOC:Computer Aided Drug Design	Y	Y	Y	38
42	102101072	40	NOC:Applications of Interactomics using Genomics and Proteomics Technologies	Y	Y	Y	42
43	102104073	36	NOC:Wild Life Ecology	Y	Y	Y.	25
44	102108071	20	NOC:Learning about Learning: A Course on Neurobiology of Learning and Memory	Y	Y	Y	3.8
45	102101076	80	NOC:Introduction to Proteogenomics	---	Y	Y	55
46	102103074	41	NOC:Genetic Engineering: Theory and Application	---	Y	Y	34
47	102106080	29	NOC:Plant Cell Bioprocessing	---	Y	Y	39
48	102106081	37	NOC:Tissue Engineering	Y	Y	Y	53
49	102107075	20	NOC:Plant Developmental Biology	Y	Y	Y	3.3
50	102108077	63	NOC:Drug Delivery: Principles and Engineering	Y	Y	Y	9.5
51	102108078	61	NOC:Fundamentals of Micro and Nanofabrication	---	Y	Y	14
52	102104082	36	NOC:Forests and their Management	---	Y	Y	36
53	102101082	60	NOC:Interactomics: Basics and Applications	Y	Y	---	58
54	102108082	58	NOC:Optical Spectroscopy and Microscopy: Fundamentals of Optical Measurements and Instrumentation	Y	Y	Y	11
55	102106082	87	NOC:Thermodynamics for Biological Systems: Classical and Statistical Aspect	---	Y	Y	39
Discipline : Chemical Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/chemical-engineering.pdf							
1	103101001	41	Advanced Chemical Reaction Engineering (PG)	Y	Y	Y	31
2	103101003	26	Advanced Process Control	Y	Y	Y	34
3	103101008	39	Chemical Reaction Engineering II	Y	Y	Y	34
4	103101111	49	Advanced Numerical Analysis	Y	Y	Y	41
5	103102012	40	Heterogeneous Catalysis and Catalytic Processes	Y	Y	Y	19
6	103103034	39	Mass Transfer Operations I	Y	Y	Y	14
7	103103039	46	Process Design Decisions and Project Economics	Y	Y	Y	27

8	103104044	40	Fluid Mechanics	Y	Y	Y	15
9	103104046	40	Mass Transfer II	Y	Y	Y	16
10	103104050	41	Plantwide Control of Chemical Processes	Y	Y	Y	16
11	103105054	40	Biochemical Engineering	Y	Y	Y	8.5
12	103105057	40	Microscale Transport Processes	Y	Y	Y	12
13	103105059	40	Multiphase Flow	Y	Y	Y	11
14	103105061	41	Novel Separation Processes	Y	Y	Y	19
15	103105064	44	Process Control and Instrumentation	Y	Y	Y	11
16	103105066	40	Instability and Patterning of Thin Polymer Films	Y	Y	Y	12
17	103105106	41	Advanced Mathematical Techniques in Chemical Engineering	Y	Y	Y	12
18	103106070	35	Chemical Engineering Thermodynamics	Y	Y	Y	3.1
19	103106073	47	Computational Fluid Dynamics	Y	Y	Y	21
20	103106074	40	Computational Techniques	Y	Y	Y	20
21	103106103	40	Particle Characterization (PG)	Y	Y	Y	16
22	103106113	45	Multiphase flows:Analytical solutions and Stability Analysis	Y	Y	Y	34
23	103106114	59	NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms	Y	Y	Y	5.3
24	103107081	40	Chemical Technology - I	Y	Y	Y	29
25	103107093	43	Process Integration	Y	Y	Y	55
26	103108097	40	Chemical Reaction Engineering	Y	Y	Y	16
27	103108098	40	Fundamentals of Transport Processes	Y	Y	Y	19
28	103108099	40	Fundamentals of Transport Processes - II	Y	Y	Y	9.2
29	103108100	43	Modern Instrumental Methods of Analysis	Y	Y	Y	20
30	103106112	55	Statistics for Experimentalists	Y	Y	Y	28
31	103106118	45	NOC:MATLAB Programming for Numerical Computation	Y	Y	Y	9.9
32	103106115	39	Chemical Engineering Principles of CVD Processes	Y	Y	Y	18
33	103106119	62	NOC:Computational Fluid Dynamics	Y	Y	Y	21
34	103105121	20	NOC:Introduction to Process Modeling in Membrane Separation Process	Y	Y	Y	5.2
35	103106120	19	NOC:Introduction to Statistical Hypothesis Testing	Y	Y	Y	6.4
36	103106116	60	Chemical Reaction Engineering 1 (Homogeneous Reactors)	Y	Y	Y	59
37	103106117	43	Chemical Reaction Engineering 2 (Heterogeneous Reactors)	Y	Y	Y	41
38	103105122	40	NOC:Soft Nano Technology	Y	Y	Y	10
39	103105124	25	NOC:Adiabatic Two-Phase Flow & Flow Boiling in Microchannel	Y	Y	Y	6.0
40	103107123	20	Mechanical Operations	Y	Y	Y	4.3
41	103108124	41	NOC:Atomic and Molecular Absorption Spectrometry for Pollution Monitoring	Y	Y	Y	8.7
42	103106123	112	NOC:Applied Time-Series Analysis	Y	Y	Y	30
43	103107125	40	NOC:Waste to Energy Conversion	Y	Y	Y	11
44	103108123	60	NOC:Transport Processes I: Heat and Mass Transfer	Y	Y	Y	12
45	103108127	38	NOC:Trace and Ultra-trace Analysis of Metals using Atomic	Y	Y	Y	11

			Absorption Spectrometry				
46	103101127	40	NOC:Introduction to Evolutionary Dynamics	Y	Y	Y	35
47	103105127	52	NOC:Phase Equilibrium Thermodynamics	Y	Y	Y	12
48	103105128	60	NOC:Transport Phenomena	Y	Y	Y	18
49	103107127	20	NOC:Unit Operations of Particulate Matter	Y	Y	Y	3.9
50	103106131	63	NOC:Rheology of Complex Materials	Y	Y	Y	30
51	103103135	12	NOC:Measurement Technique in Multiphase Flows	Y	Y	Y	3.3
52	103103133	12	NOC:An Introduction to Cardiovascular Fluid Mechanics	Y	Y	Y	1.1
53	103108138	22	NOC:Inductive Couple Plasma Atomic Emmission Spectrometry (ICP-AES) for Pollution Monitoring	Y	Y	Y	5.9
54	103103134	24	NOC:Multiphase Microfluidics	Y	Y	Y	4.0
55	103104129	51	NOC:Thermodynamics Of Fluid Phase Equilibria	Y	Y	Y	7.2
56	103101137	60	NOC:Heat Transfer	Y	Y	Y	24
57	103103132	31	NOC:Fluidization Engineering	Y	Y	Y	4.5
58	103105130	60	NOC:Chemical Process Instrumentation	Y	Y	Y	16
59	103103136	22	NOC:Multiphase Flows	Y	Y	Y	6.7
60	103103139	24	NOC:Introduction to Polymer Physics (IIT-G)	Y	Y	Y	11
61	103103140	22	NOC:Natural Gas Engineering	Y	Y	Y	8.3
62	103105139	60	NOC:Optimization in Chemical Engineering	Y	Y	Y	19
63	103105140	60	NOC:Heat Transfer (2018)	Y	Y	Y	18
64	103107139	60	NOC:Introduction to Polymer Physics (IIT-R)	Y	Y	Y	11
65	103108139	21	NOC:Infrared Spectroscopy for Pollution Monitoring	Y	Y	Y	5.2
66	103101141	60	NOC:Chemical Reaction Engineering-II	Y	Y	Y.	37
67	103101142	48	NOC:Chemical Process Control	Y	Y	Y	17
68	103103144	42	NOC:Chemical Engineering Thermodynamics	Y	Y	Y	13
69	103103145	41	NOC:Mass Transfer Operations-I	Y	Y	Y	27
70	103103146	35	NOC:Transport Phenomena of Non-Newtonian Fluids	Y	Y	Y.	12
71	103103147	33	NOC:Fluid Flow Operations	Y	Y	Y	20
72	103106148	52	NOC:Process Control - Design, Analysis and Assessment	Y	Y	Y	68
73	103107143	20	NOC:Equipment Design: Mechanical Aspects	Y	Y	Y	4.0
74	103106149	121	System Identification	Y	Y	---	153
75	103103152	35	NOC:Chemical Process Intensification	Y	Y	Y	22
76	103103153	30	NOC:Chemical Reaction Engineering - I	Y	Y	Y	17
77	103103154	30	NOC:Mass Transfer Operations II	Y	Y	Y	19
78	103103155	37	NOC:Mechanical Unit Operations	---	Y	Y	26
79	103104151	63	NOC:Chemical Engineering Thermodynamics	---	Y	Y	15
80	103105160	60	NOC:Flow through Porous Media	---	Y	Y	16
81	103105161	60	NOC:Fundamentals of Particle and Fluid Solid Processing	Y	Y	Y	16
82	103106158	70	NOC:Fluid and Particle Mechanics	Y	Y	Y	90

83	103106159	105	NOC:Continuum Mechanics and Transport Phenomena	---	Y	Y	84
84	103107156	60	NOC:Chemical Process Safety	Y	Y	Y	9.9
85	103107157	40	NOC:Technologies For Clean And Renewable Energy Production	Y	Y	Y	8.3
86	103102016	37	Interfacial Engineering	---	Y	---	8.7
87	103103162	31	NOC:Advanced Thermodynamics	---	Y	---	25
88	103103165	35	NOC:Basic Principles and Calculations in Chemical Engineering	Y	Y	Y	15
89	103103164	35	NOC:Computer Aided Applied Single Objective Optimization	Y	Y	Y	20
90	103108162	35	NOC:Electrochemical Technology in Pollution Control	Y	Y	---	21
91	103106162	61	NOC:Environmental Quality Monitoring and Analysis	Y	Y	---	51
92	103103163	36	NOC:Membrane Technology	Y	Y	---	17
Discipline : Chemistry and Biochemistry Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/chemistry-and-biochemistry.pdf							
1	104104011	40	Chemistry of Materials	Y	Y	Y	18
2	104104026	40	Mathematics for Chemistry	Y	Y	Y	9.1
3	104104066	40	Advance Analytical Course	Y	Y	Y	13
4	104105031	40	Bio-inorganic chemistry	Y	Y	Y	12
5	104105033	40	Co-ordination chemistry (chemistry of transition elements)	Y	Y	Y	9.6
6	104105034	40	Heterocyclic Chemistry	Y	Y	Y	12
7	104105038	40	Organic photochemistry and pericyclic reactions	Y	Y	Y	11
8	104105039	41	Polymer Chemistry	Y	Y	Y	12
9	104105041	40	Rate processes	Y	Y	Y	11
10	104106048	25	Principles and Applications of Electron Paramagnetic Resonance Spectroscopy	Y	Y	Y	15
11	104108055	40	Essentials in Immunolgy	Y	Y	Y	11
12	104108056	40	Eukaryotic Gene Expression - basics and benefits	Y	Y	Y	20
13	104108057	49	Introductory Quantum Chemistry	Y	Y	Y	20
14	104108062	40	Introduction to Organometallic Chemistry	Y	Y	Y	18
15	104106072	25	NOC:Chemistry - I	Y	Y	Y	3.7
16	102105034	28	Bio-Chemistry I	Y	Y	Y	7.2
17	104105076	27	NOC:Biochemistry	Y	Y	Y	2.9
18	104106075	36	NOC:Application of Spectroscopic Methods in Molecular Structure Determination	Y	Y	Y	3.8
19	104106074	27	NOC:Chemistry-II	Y	Y	Y	8.0
20	104108078	40	NOC:Principles and Applications of NMR Spectroscopy	Y	Y	Y	11
21	104106077	34	NOC:Pericyclic Reactions and Organic Photochemistry	Y	Y	Y	7.1
22	104101079	20	NOC:Organo Metallic Chemistry	Y	Y	Y	8.1
23	104104080	40	NOC:Chemical Applications of Symmetry and Group Theory	Y	Y	Y	6.0
24	104106083	40	NOC:Chemistry I:Introduction To Quantum Chemistry and Molecular Spectroscopy	Y	Y	---	10

25	104104082	45	NOC:Quantum Computing	Y	Y	Y	3.0
26	104104081	40	NOC:Mathematics for Chemistry	Y	Y	Y	2.4
27	104104084	40	NOC:Basics of Fluroscence Spectroscopy	Y	Y	Y	2.1
28	104104085	40	NOC:Laser: Fundamentals and Applications	Y	Y	Y	2.0
29	104101084	60	NOC:Chemical and Biological Thermodynamics: Principles to Applications	Y	Y	Y	55
30	104105084	60	NOC:Analytical Chemistry	Y	Y	Y	16
31	104105086	40	NOC:Stereochemistry	Y	Y	Y	11
32	104104086	55	NOC:Advanced Mathematical Methods for Chemistry	Y	Y	Y	38
33	104101092	20	NOC:Metal Mediated Synthesis - I	Y	Y	Y	19
34	104105088	40	NOC:Introduction to Molecular Thermodynamics	Y	Y	Y	12
35	104101090	60	NOC:Chemistry of Main Group Elements	Y	Y	Y	53
36	104101091	60	NOC:Transition Metal Organometallic Chemistry: Principles to Applications	Y	Y	Y	54
37	104105087	60	NOC:A Study Guide In Organic Retrosynthesis: Problem Solving Approach	Y	Y	Y	16
38	104106089	45	NOC:Introduction to Chemical Thermodynamics and Kinetics	Y	Y	Y	29
39	104101093	60	NOC:Inorganic Chemistry of Life: Principles and Perspectives	Y	Y	Y	42
40	104101094	68	NOC:Symmetry and Group Theory	Y	Y	Y	32
41	104101095	41	NOC:Computational Chemistry and Classical Molecular Dynamics	Y	Y	Y	28
42	104105093	40	NOC:Molecules in Motion	Y	Y	Y	11
43	104106093	62	NOC:Chemical Crystallography	Y	Y	Y	66
44	104106094	44	NOC:Advanced Chemical Thermodynamics and Kinetics	Y	Y	Y	63
45	104106096	56	NOC:Chemistry: Atomic Structure and Chemical Bonding	Y	Y	Y	37
46	104101099	63	NOC:Molecular Spectroscopy: A Physical Chemists Perspective	Y	Y	Y*	43
47	104101100	60	NOC:Advanced Transition Metal Organometallic Chemistry	Y	Y	Y	57
48	104104101	60	NOC:Solid State Chemistry	Y	Y	Y	22
49	104105102	53	NOC:Experimental Biochemistry	Y	Y	Y	24
50	104105103	60	NOC:Industrial Inorganic Chemistry	Y	Y	Y	17
51	104105104	20	NOC:Reactive Intermediates Carbene and Nitrene	Y	Y	Y	5.1
52	104106105	52	NOC:Electrochemical Impedance Spectroscopy	Y	Y	Y	69
53	104106106	69	NOC:Medicinal Chemistry	Y	Y	Y	78
54	104106107	68	NOC:Chemical Principles-II	Y	Y	Y.	74
55	104108097	42	NOC:Multidimensional NMR Spectroscopy for Structural Studies of Biomolecules	Y	Y	Y	3.9
56	104108098	61	NOC:Symmetry and Structure in the Solid State	Y	Y	Y	18
57	104106108	8	Organic Chemistry Lab Certification	---	Y	---	18
58	104101115	40	NOC:Mechanisms in Organic Chemistry	Y	Y	Y	33
59	104101116	38	NOC:Metals In Biology	Y	Y	Y	34
60	104101117	60	NOC:NMR spectroscopy for Chemists and Biologists	Y	Y	Y	47
61	104102113	34	NOC:Spectroscopic Techniques for Pharmaceutical and	---	Y	Y	30

			Biopharmaceutical Industries				
62	104102114	15	NOC:Introductory Non-Linear Dynamics	Y	Y	Y	8.0
63	104103110	30	NOC:Principles Of Organic Synthesis	---	Y	Y	27
64	104103111	32	NOC:Reagents In Organic Synthesis	Y	Y	Y	19
65	104103112	37	NOC:Thermodynamics: Classical to Statistical	---	Y	Y	4.8
66	104104109	20	NOC:Bioinorganic Chemistry	Y	Y	Y	12
67	104105120	63	NOC:Organic Chemistry in Biology and Drug Development	---	Y	Y	27
68	104106119	52	NOC:Introductory Organic Chemistry I	Y	Y	Y	56
69	104108118	43	NOC:Ultrafast Optics and Spectroscopy	Y	Y	Y	6.5
70	104102009	42	Bio-Physical Chemistry	---	Y	---	46
71	104101121	19	NOC:Basics in Inorganic Chemistry	Y	Y	Y	11
72	104103121	35	NOC:Essentials of Biomolecules: Nucleic Acids and Peptides	Y	Y	Y	18
73	104106122	61	NOC:Fundamentals of Spectroscopy	Y	Y	---	41
74	104106121	51	NOC:Quantitative Methods in Chemistry	Y	Y	---	39
75	104101123	60	NOC:Transition Metal Organometallics in Catalysis and Biology	Y	Y	Y	44
76	104101122	67	NOC:Ultrafast Laser Spectroscopy	---	Y	---	55
Discipline : Civil Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/civil-engineering.pdf							
1	105101005	38	Soil Dynamics	Y	Y	Y	19
2	105101006	38	Structural Dynamics	Y	Y	Y	19
3	105101010	40	Watershed Management	Y	Y	Y	41
4	105101082	42	Fluid Mechanics	Y	Y	Y	9.6
5	105101084	57	Soil Mechanics	Y	Y	Y	15
6	105101086	40	Structural Analysis II	Y	Y	Y	9.8
7	105101134	43	Geotechnical Earthquake Engineering	Y	Y	Y	37
8	105101143	63	Geosynthetics Engineering: In Theory and Practice	Y	Y	Y	59
9	105102012	41	Concrete Technology	Y	Y	Y	37
10	105102016	30	Seismic Analysis of Structures	Y	Y	Y	27
11	105102088	41	Building Materials and Construction	Y	Y	Y	12
12	105103021	43	Advanced Hydraulics	Y	Y	Y	22
13	105103094	40	Design of Steel Structures	Y	Y	---	9.1
14	105103096	40	Hydraulics	Y	Y	Y	20
15	105104029	44	Advanced Hydrology	Y	Y	Y	21
16	105104030	40	Concrete Engineering and Technology	Y	Y	Y	16
17	105104099	39	Environmental Air Pollution	Y	Y	Y	7.0
18	105104101	40	Surveying	Y	Y	Y	6.8
19	105104103	29	Water Resources Engineering	Y	Y	Y	3.5
20	105104131	40	Geotechnical Measurements and Explorations	Y	Y	Y	11

21	105104135	40	Application of Soil Mechanics	Y	Y	Y	11
22	105105039	40	Advanced Foundation Engineering	Y	Y	Y	12
23	105105043	40	Numerical Methods in Civil Engineering	Y	Y	Y	11
24	105105045	40	Probability Methods in Civil Engineering	Y	Y	Y	19
25	105105105	30	Design of Reinforced Concrete Structures	Y	Y	Y	6.3
26	105105106	40	Engineering Geology	Y	Y	Y	12
27	105105107	41	Introduction to Transportation Engineering	Y	Y	Y	8.2
28	105105108	40	Strength of Materials	Y	Y	Y	12
29	105106050	41	Advanced Structural Analysis	Y	Y	Y	18
30	105106051	40	Finite Element Analysis	Y	Y	Y	27
31	105106052	40	Geosynthetics and Reinforced Soil Structures	Y	Y	Y	17
32	105106053	42	Modern Construction Materials	Y	Y	Y	7.2
33	105106058	40	Urban Transportation Planning	Y	Y	Y	19
34	105106116	39	Mechanics of solids	Y	Y	Y	3.5
35	105106118	40	Pre-stressed Concrete Structures	Y	Y	Y	11
36	105106119	40	Water and Waste Water Engineering	Y	Y	Y	11
37	105107120	40	Foundation Engineering	Y	Y	Y	7.8
38	105107121	40	Modern Surveying Techniques	Y	Y	Y	1.9
39	105107123	40	Transportation Engineering II	Y	Y	Y	8.2
40	105108075	40	Ground Improvement Techniques	Y	Y	Y	11
41	105108079	40	Stochastic Hydrology	Y	Y	Y	19
42	105108080	42	Stochastic Structural Dynamics	Y	Y	Y	19
43	105108130	40	Water Resources Systems : Modeling Techniques and Analysis	Y	Y	Y	20
44	105105042	40	Ground Water Hydrology	Y	Y	Y	9.0
45	105101001	60	Advanced Geotechnical Engineering	Y	Y	Y	53
46	105106145	40	NOC:Sustainable River Basin Management	Y	Y	Y	2.8
47	105106149	57	NOC:Project Planning and Control	Y	Y	Y	6.5
48	105105150	25	NOC:Probability Methods in Civil Engineering	Y	Y	Y	2.8
49	105104147	65	NOC:Geology and Soil Mechanics	Y	Y	Y	4.9
50	105104148	32	NOC:Engineering Graphics	Y	Y	Y	1.6
51	105106151	68	NOC:Structural Dynamics	Y	Y	Y	12
52	105104152	20	NOC:Earth Sciences for Civil Engineering	Y	Y	Y	1.6
53	105108141	40	Finite Element method for vibration and Stability analyses	Y	Y	Y	14
54	105107155	20	NOC:Introduction to Geographic Information Systems	Y	Y	Y	5.3
55	105107156	20	NOC:Principles and Applications of Building Science	Y	Y	Y	6.2
56	105107157	20	NOC:GPS Surveying	Y	Y	Y	6.4
57	105105156	20	NOC:Visual Semiotics for Visual Communication	Y	Y	Y	7.6
58	105104156	20	NOC:Earth Sciences for Civil Engineering - Part 2	Y	Y	Y	2.1

59	105102159	40	Water Management	Y	Y	Y	27
60	105107158	40	NOC:Digital Land Surveying And Mapping	Y	Y	Y	11
61	105105157	40	NOC:Life Cycle Assessment	Y	Y	Y	11
62	105104157	32	NOC:Hydration, Porosity and Strength of Cementitious Materials	Y	Y	Y	2.4
63	105101160	22	NOC:Geotechnical Engineering Laboratory	Y	Y	Y	11
64	105104160	60	NOC:Mechanics of Solids	Y	Y	Y	4.6
65	105104161	37	NOC:Principles of Construction Management	Y	Y	Y	5.4
66	105104162	40	NOC:Foundation Design	Y	Y	Y	2.6
67	105105160	62	NOC:Integrated Waste Management for a Smart City	Y	Y	Y	16
68	105105161	51	NOC:Computational Hydraulics	Y	Y	Y	13
69	105105162	63	NOC:Design of Steel Structures	Y	Y	Y	18
70	105105165	20	NOC:Reinforced Concrete Road Bridges	Y	Y	Y	5.8
71	105105166	61	NOC:Structural Analysis - I	Y	Y	Y	17
72	105107160	20	NOC:Digital Image Processing of Remote Sensing Data	Y	Y	Y	5.2
73	105102160	42	NOC:Geoenvironmental Engineering (Environmental Geotechnology) Landfills, Slurry Ponds and Contaminated Sites	Y	Y	Y	29
74	105105169	22	NOC:Electronic Waste Management: Issues And Challenges	Y	Y	Y	5.9
75	105107174	20	NOC:Digital Elevation Models and Applications	Y	Y	Y	5.7
76	105104167	21	NOC:Photogeology In Terrain Evaluation	Y	Y	Y	4.7
77	105102175	55	NOC:Energy Efficiency, Acoustics and Daylighting in Building	Y	Y	Y	27
78	105106172	102	NOC:Mechanics of Materials	Y	Y	Y	18
79	105107173	60	NOC:Applied Environmental Microbiology	Y	Y	Y	15
80	105105168	61	NOC:Soil Mechanics, Geotechnical Engineering-I	Y	Y	Y	15
81	105105170	60	NOC:Mineral Resources: Geology, Exploration, Economics and Environment	Y	Y	Y	16
82	105105171	64	NOC:Introduction to Mineral Processing	Y	Y	Y	17
83	105101176	21	NOC:Geosynthetics Testing Laboratory	Y	Y	Y	20
84	105102176	56	NOC:Fire Protection, Services and Maintenance Management of Building	Y	Y	Y	28
85	105103176	36	NOC:Higher Surveying	Y	Y	Y	20
86	105103177	36	NOC:Unsaturated Soil Mechanics	Y	Y	Y	9.3
87	105104177	20	NOC:Photogeology In Terrain Evaluation - Part 2	Y	Y	Y	5.7
88	105104178	38	NOC:Introduction to Accounting and Finance for Civil Engineers	Y	Y	Y	11
89	105105176	60	NOC:Foundation Engineering	Y	Y	Y	18
90	105105177	60	NOC:Theory of Elasticity	Y	Y	Y	17
91	105105178	62	NOC:Wastewater Treatment and Recycling	Y	Y	Y	15
92	105105179	40	NOC:Fluid Inclusion in Mineral Principles, Methodology, Practice and Application	Y	Y	Y	12
93	105105180	42	NOC:Matrix Method of Structural Analysis	Y	Y	Y	9.0
94	105106176	44	NOC:Advanced Concrete Technology	Y	Y	Y	78
95	105106177	87	NOC:Glass in buildings: Design and Application	Y	Y	Y	64

96	105106178	75	NOC:Glass Processing Technology	Y	Y	Y	50
97	105107176	60	NOC:Environmental Engineering-Chemical Processes	Y	Y	Y	12
98	105103182	21	NOC:Subsurface Exploration: Importance and Techniques Involved	Y	Y	Y	8.8
99	105104183	43	NOC:Natural Hazards - Part 1	Y	Y	Y*	14
100	105105184	40	NOC:Plastic Waste Management	Y	Y	Y	11
101	105105185	60	NOC:Geotechnical Engineering-II Foundation Engineering	Y	Y	Y	16
102	105105186	43	NOC:Mass, Momentum and Energy Balances in Engineering Analysis	Y	Y	Y	11
103	105106187	29	NOC:Advanced Topics in the Science and Technology of Concrete	Y	Y	Y	39
104	105106188	47	NOC:Infrastructure Planning and Managements	Y	Y	Y	64
105	105107181	59	NOC:Environmental Remediation of Contaminated Sites	Y	Y	Y	15
106	105101196	53	NOC:Environmental Geotechnics	Y	Y	Y	17
107	105102195	47	NOC:Sustainable Materials and Green Buildings	---	Y	Y	23
108	105102199	12	NOC:Scheduling Techniques in Projects	Y	Y	Y	9.1
109	105103192	23	NOC:Fluid Mechanics	---	Y	Y	12
110	105103193	24	NOC:Remote Sensing and GIS	Y	Y	Y	9.8
111	105104189	13	NOC:Structural Dynamics for Civil Engineers - SDOF systems	Y	Y	Y	6.4
112	105104190	38	NOC:Geomorphic Processes: Landforms and Landscapes	Y	Y	Y	13
113	105104191	48	NOC:Structural Geology	---	Y	Y	38
114	105106197	40	NOC:Design of Masonry Structures	Y	Y	Y	85
115	105107194	20	NOC:Global Navigation Satellite Systems And Applications	Y	Y	Y	4.7
116	105106200	67	NOC:Characterization of Construction Materials	---	Y	---	53
117	105104200	57	NOC:Earthquake Geology: A tool for Seismic Hazard Assessment	Y	Y	---	34
118	105101200	56	NOC:Environmental Geomechanics	Y	Y	Y	25
119	105107200	60	NOC:Geomorphology	---	Y	---	13
120	105105202	19	NOC:Geo Spatial Analysis in Urban Planning	Y	Y	---	5.3
121	105101201	28	NOC:Geotechnical Engineering - 1	Y	Y	Y	47
122	105105203	63	NOC:Hydraulic Engineering	---	Y	Y	17
123	105106201	20	NOC:Introduction to Civil Engineering Profession	Y	Y	Y	23
124	105106202	35	NOC:Maintenance and Repair of Concrete Structures	---	Y	---	26
125	105106203	56	NOC:Mechanical Characterization of Bituminous Materials	---	Y	---	40
126	105107201	56	NOC:Remote Sensing Essentials	---	Y	Y	14
127	105105200	66	NOC:Soil Structure Interaction	---	Y	Y	28
128	105105201	62	NOC:Water Supply Engineering	---	Y	---	20
Discipline : Computer Science and Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/computer-science-and-engineering.pdf							
1	106101007	40	Natural Language Processing	Y	Y	Y	31
2	106101060	34	Design and Analysis of Algorithms	Y	Y	Y	8.3
3	106101061	39	Software Engineering	Y	Y	Y	11

4	106102011	40	Computational Geometry	Y	Y	Y	26
5	106102013	39	Logic for CS	Y	Y	Y	31
6	106102062	38	Computer Architecture (Prof. Anshul Kumar)	Y	Y	Y	9.0
7	106102064	36	Data Structures And Algorithms	Y	Y	Y	9.3
8	106102065	35	Introduction to Computer Graphics	Y	Y	Y	7.7
9	106102067	40	Principles of Programming Languages	Y	Y	Y	9.8
10	106102114	34	Parallel Computing	Y	Y	Y	8.8
11	106103116	44	Design Verification and Test of Digital VLSI Circuits	Y	Y	Y	25
12	106104019	35	Computer Algorithms - 2	Y	Y	Y	18
13	106104028	42	Theory of Computation	Y	Y	Y	20
14	106104074	24	Introduction to Problem Solving and Programming	Y	Y	Y	2.5
15	106104118	30	Riemann Hypothesis and its Applications	Y	Y	Y	6.9
16	106104119	26	Biometrics	Y	Y	Y	11
17	106104120	25	Parallel Algorithm	Y	Y	Y	13
18	106104122	36	Computer Architecture (Dr. Mainak Chaudhuri)	Y	Y	Y	15
19	106104123	30	Compiler Design (Prof. Sanjeev K Aggarwal)	Y	Y	Y	12
20	106104128	55	NOC:Introduction to Programming in C	Y	Y	Y	3.1
21	106105031	41	Cryptography and Network Security	Y	Y	Y	19
22	106105033	41	High Performance Computer Architecture	Y	Y	Y	11
23	106105034	40	Low Power VLSI Circuits and Systems	Y	Y	Y	19
24	106105036	40	Real Time Systems	Y	Y	Y	8.1
25	106105077	40	Artificial Intelligence (Prof. S. Sarkar, Prof. Anupam Basu)	Y	Y	Y	8.8
26	106105079	28	Artificial Intelligence (Prof.P. Dasgupta)	Y	Y	Y	7.6
27	106105081	40	Computer Networks	Y	Y	Y	12
28	106105082	41	Data Communication	Y	Y	Y	9.4
29	106105083	35	Electronic Design Automation	Y	Y	Y	7.5
30	106105084	40	Internet Technology	Y	Y	Y	12
31	106105085	32	Programming and Data Structure	Y	Y	Y	4.8
32	106106046	43	Pattern Recognition	Y	Y	Y	19
33	106106048	42	Performance Evaluation of Computer Systems	Y	Y	Y	17
34	106106049	42	Theory of Automata, Formal Languages and Computation	Y	Y	Y	19
35	106106090	43	Computer Graphics	Y	Y	Y	11
36	106106092	33	Computer Organization	Y	Y	Y	7.6
37	106106093	43	Database Design	Y	Y	Y	12
38	106106094	40	Discrete Mathematical Structures	Y	Y	Y	11
39	106106126	48	Artificial Intelligence (Prof. Deepak Khemani)	Y	Y	Y	36
40	106106127	61	NOC:Programming, Data Structures and Algorithms	Y	Y	Y	13
41	106106129	65	NOC:Introduction to Information Security I	Y	Y	Y	8.8

42	106106130	18	NOC:Programming and Data structures (PDS)	Y	Y	Y	3.2
43	106106131	56	NOC:Design and Analysis of Algorithms	Y	Y	Y	2.2
44	106106133	55	NOC:Programming, Data Structures and Algorithms (Aricent)	---	Y	Y	5.2
45	106108051	41	Combinatorics	Y	Y	Y	12
46	106108052	50	Compiler Design (Prof. Y.N. Srikanth)	Y	Y	Y	18
47	106108054	40	Graph Theory	Y	Y	Y	19
48	106108055	41	High Performance Computing	Y	Y	Y	16
49	106108056	41	Numerical Optimization	Y	Y	Y	11
50	106108058	43	Storage Systems	Y	Y	Y	12
51	106108102	40	System Analysis and Design	Y	Y	Y	11
52	106108113	46	Principles of Compiler Design	Y	Y	Y*	13
53	106106134	33	NOC:Computer Architecture	Y	Y	Y	3.0
54	106106136	55	NOC:Model Checking	Y	Y	Y	2.2
55	106106137	28	NOC:Functional Programming in Haskell	Y	Y	Y	1.8
56	106104135	48	NOC:Fundamentals of Database Systems	Y	Y	Y	3.1
57	106106141	42	NOC:Information Security - II	Y	Y	Y	8.8
58	106106139	86	NOC:Introduction to Machine Learning (Sponsored by Arihant)	Y	Y	Y	28
59	106106140	70	NOC:Artificial Intelligence: Knowledge Representation & Reasoning	Y	Y	Y	17
60	106106138	71	Virtual Reality	---	Y	Y	20
61	106106142	48	NOC:Algorithms for Big Data	Y	Y	---	11
62	106105154	21	NOC:Complex Network : Theory and Application	Y	Y	Y	5.1
63	106105153	52	NOC:Object-Oriented Analysis and Design	Y	Y	Y	12
64	106105152	44	NOC:Introduction to Machine Learning	Y	Y	Y	11
65	106105151	56	NOC:Programming in C++	Y	Y	Y	13
66	106105150	20	NOC:Software Testing	Y	Y	Y	4.7
67	106104148	40	NOC:Theory of Computation	Y	Y	Y	3.7
68	106107155	20	NOC:Introduction to Cryptology	Y	Y	Y	5.4
69	106104149	18	NOC:Modern Algebra	Y	Y	Y	1.9
70	106106146	34	NOC:Privacy and Security in Online Social Networks	Y	Y	Y	5.5
71	106106145	45	NOC:Programming, Data Structures and Algorithms in Python	Y	Y	Y	2.5
72	106106144	39	NOC:Introduction to Operating Systems	Y	Y	Y	13
73	106106147	39	NOC:Mobile Computing	Y	Y	Y	4.6
74	106106143	64	NOC:Reinforcement Learning	Y	Y	Y	36
75	106106156	37	NOC:Introduction to Modern Application Development	Y	Y	Y	1.4
76	106105157	20	Fundamental Algorithms:Design and Analysis	Y	Y	Y	5.2
77	106106158	42	NOC:AI:Constraint Satisfaction	Y	Y	Y*	31
78	106102157	33	NOC:Computer Architecture	Y	Y	Y	12
79	106106157	60	NOC:Information Security-3	Y	Y	Y	20

80	106105160	40	NOC:Wireless Ad Hoc and Sensor Networks	Y	Y	Y	9.9
81	106105158	65	NOC:Natural Language Processing	Y	Y	Y	16
82	106105161	64	NOC:VLSI Physical Design	Y	Y	Y	17
83	106105159	49	NOC:Embedded Systems Design	Y	Y	Y	8.5
84	106105162	60	NOC:InterNetwork Security	Y	Y	Y	15
85	106105163	64	NOC:Computer Architecture and Organization	Y	Y	Y	18
86	106105164	60	NOC:Introduction to Algorithms and Analysis	Y	Y	Y	15
87	106105165	41	NOC:Hardware Modeling using Verilog	Y	Y	Y	11
88	106105166	60	NOC:Introduction to Internet of Things	Y	Y	Y	13
89	106105167	40	NOC:Cloud Computing	Y	Y	Y	8.7
90	106101163	60	NOC:Software Testing	Y	Y	Y	28
91	106106166	52	NOC:Computer Organization	Y	Y	Y	23
92	106106167	56	NOC:Introduction to Wireless and Cellular Communications	Y	Y	Y	40
93	106102163	37	NOC:Introduction to Parallel Programming in OpenMP	Y	Y	Y	3.8
94	106106168	27	NOC:Distributed Systems	Y	Y	Y	2.6
95	106106169	166	NOC:Social Networks	Y	Y	Y*	43
96	106105172	20	NOC:Real Time Operating System	Y	Y	Y	5.0
97	106106176	26	NOC:An Introduction to Probability in Computing	Y	Y	Y	8.5
98	106104170	23	NOC:Advanced Graph Theory	Y	Y	Y	11
99	106105173	40	NOC:Introduction to Soft Computing	Y	Y	Y	10
100	106105174	44	NOC:Data Mining	Y	Y	Y	11
101	106105175	42	NOC:Data Base Management System	Y	Y	Y	13
102	106106177	28	NOC:Introduction to Human Computer Interaction	Y	Y	Y	12
103	106106178	60	NOC:Information Security - IV	Y	Y	Y	43
104	106106179	50	NOC:Data Science for Engineers	Y	Y	Y	15
105	106103180	39	NOC:Computer Organization and Architecture - A Pedagogical Aspect	Y	Y	Y	9.8
106	106105171	61	NOC:Problem Solving through Programming in C	Y	Y	Y	15
107	106102181	26	NOC:Synthesis of Digital Systems	Y	Y	Y	27
108	106101182	22	NOC:Design and Pedagogy of the Introductory Programming Course	Y	Y	Y	17
109	106103182	37	NOC:Embedded Systems-Design Verification and Test	Y	Y	Y.	14
110	106103183	29	NOC:Multi-Core Computer Architecture-Storage and Interconnects	Y	Y	Y	12
111	106104182	21	NOC:Cloud Computing and Distributed Systems	Y	Y	Y	9.0
112	106105182	60	NOC:Software Engineering	Y	Y	Y	15
113	106105183	60	NOC:Computer Networks and Internet Protocol	Y	Y	Y	15
114	106105184	60	NOC:Blockchain Architecture Design and Use Cases	Y	Y	Y	32
115	106105185	60	NOC:Switching Circuits and Logic Design	Y	Y	Y	15
116	106105186	40	NOC:Scalable Data Science	Y	Y	Y	8.0
117	106106182	226	NOC:The Joy of Computing using Python	Y	Y	Y	44

118	106106183	465	NOC:Discrete Mathematics	Y	Y	Y	31
119	106106184	117	NOC:Deep Learning	Y	Y	Y	41
120	106103187	40	NOC:Randomized Algorithms	Y	Y	Y	28
121	106103188	37	NOC:Parallel Algorithms	Y	Y	Y	14
122	106104189	34	NOC:Big Data Computing	Y	Y	Y	14
123	106105190	61	NOC:Compiler Design	Y	Y	Y	16
124	106105191	60	NOC:Programming in Java	Y	Y	Y	17
125	106105192	60	NOC:Discrete Structures	Y	Y	Y	20
126	106105193	42	NOC:Embedded System Design with ARM	Y	Y	Y	9.6
127	106105194	60	NOC:Hardware Security	Y	Y	Y	16
128	106105195	65	NOC:Introduction to Industry 4.0 and Industrial Internet of Things	Y	Y	Y	25
129	106105196	60	NOC:Introduction to Automata, Languages and Computation	Y	Y	Y	15
130	106106197	77	NOC:Foundations to Computer Systems Design	Y	Y	Y*	121
131	106106198	106	NOC:Machine Learning for Engineering and Science Applications	Y	Y	Y	70
132	106106199	59	NOC:Information Security 5 - Secure Systems Engineering	Y	Y	Y	27
133	106106200	56	NOC:Multimodal Interaction	Y	Y	Y.	30
134	106106201	37	NOC:Deep Learning - Part 2	Y	Y	Y	18
135	106106202	50	NOC:Machine Learning, ML	Y	Y	Y	21
136	106101208	120	NOC:An Introduction to Programming Through C++	---	Y	Y	47
137	106101209	100	NOC:Demystifying Networking	Y	Y	Y	7.6
138	106103205	43	NOC:Discrete Mathematics	---	Y	Y	26
139	106103206	33	NOC:Advanced Computer Architecture	Y	Y	Y	6.7
140	106105214	60	NOC:Operating System Fundamentals	Y	Y	Y	16
141	106105215	60	NOC:Deep Learning (2019)	Y	Y	Y	16
142	106105216	60	NOC:Computer Vision	Y	Y	Y	17
143	106105217	62	NOC:Ethical Hacking	---	Y	Y	12
144	106105218	60	NOC:Software Project Management	Y	Y	Y	16
145	106105219	40	NOC:Spatial Innformatics	Y	Y	Y	12
146	106106210	22	NOC:C Programming and Assembly Language	---	Y	Y	33
147	106106211	92	NOC:Applied Natural Language Processing	---	Y	Y	69
148	106106212	45	NOC:Python for Data Science	Y	Y	Y	50
149	106106213	38	NOC:Practical Machine Learning with Tensorflow	Y	Y	Y	21
150	106102132	40	Operating Systems	---	Y	---	5.0
151	106102220	96	NOC:An Introduction to Artificial Intelligence	Y	Y	Y	24
152	106104221	24	NOC:Arithmetic Circuit Complexity	---	Y	---	21
153	106107220	60	NOC:Data Analytics with Python	Y	Y	Y	4.4
154	106106221	59	NOC:Foundations of Cryptography	Y	Y	Y	8.3
155	106105220	63	NOC:GPU Architectures and Programming	Y	Y	Y	13

156	106104220	29	NOC:Introduction to Blockchain Technology and Applications	Y	Y	---	9.5
157	106106220	41	NOC:Introduction to Database Systems	---	Y	Y	32
158	106106222	31	NOC:Modern Application Development (2020.S1)	---	Y	---	20
159	106103220	31	NOC:User-centric Computing for Human-Computer Interaction	Y	Y	Y	22
160	106105223	83	NOC:Google Cloud Computing Foundation Course	Y	Y	---	1.2
Discipline : Engineering Design Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/engineering-design.pdf							
1	107103004	40	Ergonomics for beginners: Industrial design perspective	Y	Y	Y	17
2	107106009	30	Principles of Engineering System Design	Y	Y	Y	12
3	107106080	32	Vehicle Dynamics	Y	Y	Y	26
4	107103081	38	NOC:System Design for Sustainability	Y	Y	Y	21
5	107103082	15	NOC:Product Design and Innovation	Y	Y	Y	6.8
6	107103083	15	NOC:Interaction Design	Y	Y	Y	7.8
7	107106081	72	NOC:Control Systems	Y	Y	Y	40
8	107103084	12	NOC:Ergonomics In Automotive Design	Y	Y	Y	13
9	107103085	14	NOC:Ergonomics Workplace Analysis	---	Y	Y	4.6
10	107101086	55	NOC:Innovation by Design	Y	Y	Y	17
11	107101087	42	NOC:Understanding Design	Y	Y	Y	6.0
12	107101088	23	NOC:Design, Technology and Innovation	---	Y	Y	20
13	107106088	74	NOC:Fundamentals of Automotive Systems	---	Y	---	57
14	107105088	64	NOC:Geographic Information System	Y	Y	Y	31
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1	108101002	35	Nonlinear Dynamical Systems	Y	Y	Y	29
2	108101004	45	Power System Dynamics and Control	Y	Y	Y	41
3	108101037	47	Control Engineering (Prof. S.D. Agashe)	Y	Y	Y	13
4	108101038	43	Power Electronics	Y	Y	Y	12
5	108102042	51	Circuit Theory	Y	Y	Y	13
6	108102043	41	Control Engineering (Prof. M. Gopal)	Y	Y	Y	9.2
7	108102045	37	Embedded Systems	Y	Y	Y	9.4
8	108102047	35	Power System Generation, Transmission and Distribution	Y	Y	Y	7.2
9	108102080	40	Power System Dynamics	Y	Y	Y	9.8
10	108103007	40	Advanced Control Systems	Y	Y	Y	17
11	108104011	40	Advanced Electric Drives	Y	Y	Y	18
12	108104013	37	High Voltage DC Transmission	Y	Y	Y	16
13	108104049	32	Intelligent Systems and Control	Y	Y	Y	6.1
14	108104052	35	Power Systems Operation and Control	Y	Y	Y	4.8
15	108105017	40	Electrical Machines - I	Y	Y	Y	8.5

16	108105019	60	Optimal Control	Y	Y	Y	12
17	108105054	40	Chaos, Fractals and Dynamic Systems	Y	Y	Y	8.6
18	108105055	35	Digital Signal Processing	Y	Y	Y	7.6
19	108105056	34	Dynamics of Physical Systems	Y	Y	Y	7.4
20	108105058	40	Energy Resources and Technology	Y	Y	Y	8.5
21	108105059	30	Estimation of Signals and Systems	Y	Y	Y	6.1
22	108105060	20	Illumination Engineering	Y	Y	Y	4.1
23	108105062	40	Industrial Automation and Control	Y	Y	Y	12
24	108105064	40	Industrial Instrumentation	Y	Y	Y	12
25	108105065	36	Networks Signals and Systems	Y	Y	Y	11
26	108105067	40	Power System Analysis	Y	Y	Y	12
27	108106023	43	Modelling and Analysis of Electric Machines	---	Y	Y	19
28	108106068	28	Analog ICs	Y	Y	Y	6.1
29	108106069	40	Digital Integrated Circuits	Y	Y	Y	9.2
30	108106073	42	Electromagnetic Fields	Y	Y	Y	11
31	108106075	50	Networks and Systems	Y	Y	Y	12
32	108106083	49	Probability Foundation for Electrical Engineers	Y	Y	Y	36
33	108108031	42	An Introduction to Electronics Systems Packaging	Y	Y	Y	20
34	108108034	40	Power Electronics and Distributed Generation	Y	Y	Y	14
35	108108035	40	Pulse width Modulation for Power Electronic Converters	Y	Y	Y	12
36	108108036	40	Switched Mode Power Conversion	Y	Y	Y	19
37	108108076	39	Basic Electrical Technology	Y	Y	Y	11
38	108108077	37	Industrial Drives - Power Electronics	Y	Y	Y	7.6
39	108106084	95	NOC:Analog Circuits	Y	Y	Y	8.7
40	108106085	29	NOC:Introduction to Non Linear Dynamics	Y	Y	Y	0.5
41	108105088	52	NOC:Industrial Automation and Control	Y	Y	Y	13
42	108104087	85	NOC:Electromagnetic Theory	Y	Y	Y	4.6
43	108101089	28	Fabrication of Silicon VLSI Circuits using the MOS technology	Y	Y	Y	31
44	108101090	83	NOC:Computational Electromagnetics and Applications	Y	Y	Y	29
45	108101092	60	NOC:Antennas	Y	Y	Y	22
46	108101094	41	NOC:Analog Circuits	Y	Y	Y	14
47	108101093	71	NOC:Fundamentals of Wavelets, Filter Banks and Time Frequency Analysis	Y	Y	Y	21
48	108101091	72	NOC:Basic Electronics	Y	Y	Y	3.5
49	108104092	33	NOC:An Introduction to Coding Theory	Y	Y	Y	2.6
50	108102095	51	Analog Electronic Circuits	Y	Y	Y	63
51	108102096	38	Digital Communication	Y	Y	Y	62
52	108102097	40	Introduction To Electronic Circuits	Y	Y	Y	32
53	108105091	20	NOC:Medical Image Analysis	Y	Y	Y	6.0

54	108104091	52	NOC:Principles of Communication - Part I	Y	Y	Y	2.8
55	108107098	40	NOC:Optimal Control	Y	Y	Y	9.7
56	108106098	51	NOC:Control Engineering	Y	Y	Y	23
57	108104098	56	NOC:Principles of Communication Systems - Part II	Y	Y	Y	3.1
58	108104099	66	NOC:Applied Engineering Electromagnetics	Y	Y	Y	4.3
59	108108098	31	NOC:Design for Internet of Things	Y	Y	Y	13
60	108108099	40	NOC:Advances in UHV Transmission and Distribution	Y	Y	Y	10
61	108103108	24	NOC:Optimization Techniques for Digital VLSI Design	Y	Y	Y	9.5
62	108108110	34	NOC:Electronics Enclosures Thermal Issues	Y	Y	Y	10
63	108106106	73	NOC:Probability Foundations for Electrical Engineers	Y	Y	Y	74
64	108105104	61	NOC:Power System Engineering	Y	Y	Y	16
65	108104100	75	NOC:Principles of Signals and Systems	Y	Y	Y	16
66	108105103	60	NOC:Deep Learning for Visual Computing	Y	Y	Y	13
67	108105101	68	NOC:Biomedical Signal Processing	Y	Y	Y	17
68	108105102	64	NOC:Microprocessors and Microcontrollers	Y	Y	Y	15
69	108108109	79	NOC:Mathematical Methods and Techniques in Signal Processing	Y	Y	Y	19
70	108108111	59	NOC:Integrated Circuits, MOSFETs, Op-Amps and their Applications	Y	Y	Y	20
71	108101112	60	NOC:Microwave Theory and Techniques	Y	Y	Y	49
72	108101113	65	NOC:Principles of Digital Communications	Y	Y	Y	56
73	108102112	40	NOC:Analog Electronic Circuit	Y	Y	Y	34
74	108102113	10	NOC:Nonlinear and Adaptive Control	Y	Y	Y	8.1
75	108103112	24	NOC:Advanced Topics in Probability and Random Processes	Y	Y	Y	4.0
76	108104112	79	NOC:Applied Optimization for Wireless, Machine Learning, Big Data	Y	Y	Y	14
77	108104113	61	NOC:Fiber-Optic Communication Systems and Techniques	Y	Y	Y	13
78	108105112	64	NOC:Fundamentals of Electrical Engineering	Y	Y	Y	19
79	108105113	65	NOC:Digital Circuits	Y	Y	Y	13
80	108105114	40	NOC:Analysis and Design Principles of Microwave Antennas	Y	Y	Y	11
81	108105118	48	NOC:Architectural Design of Digital Integrated Circuits	Y	Y	Y	13
82	108107112	40	NOC:Electrical Distribution System Analysis	Y	Y	Y	7.2
83	108107113	40	NOC:Introduction to Smart Grid	Y	Y	Y	10
84	108107114	40	NOC:Facts Devices	Y	Y	Y	8.1
85	108107115	40	NOC:Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	Y	Y	Y	6.7
86	108108112	55	NOC:Semiconductor Devices and Circuits	Y	Y	Y	5.2
87	108108113	55	NOC:Fabrication Techniques for MEMs-based Sensors: Clinical Perspective	Y	Y	Y	21
88	108108114	48	NOC:Op-Amp Practical Applications:Design,Simulation and Implementation	Y	Y	Y	18
89	108108115	39	NOC:Physical Modelling for Electronics Enclosures using Rapid Prototyping	Y	Y	Y	25
90	108108116	13	NOC:Recent Advances in Transmission Insulators	Y	Y	Y	3.0
91	108102117	39	NOC:Information Theory, Coding and Cryptography	Y	Y	Y	17

92	108101126	98	NOC:Fundamental of Power Electronics	Y	Y	Y	24
93	108102120	38	NOC:Principles of Digital Communications	Y	Y	Y*	34
94	108102121	17	NOC:Electric Vehicles - Part 1	Y	Y	Y	8.9
95	108104130	41	NOC:Electromagnetic Waves in Guided and Wireless Media	Y	Y	Y	14
96	108105131	90	NOC:Electrical Machines-II	Y	Y	Y	24
97	108105132	60	NOC:Digital Electronic Circuits	Y	Y	Y	17
98	108105133	60	NOC:Power System Dynamics, Control and Monitoring	Y	Y	Y	16
99	108105134	40	NOC:Evolution of Air Interface towards 5G	Y	Y	Y	11
100	108106135	48	NOC:Introduction to Photonics	Y	Y	Y	87
101	108106136	69	NOC:Multirate DSP	Y	Y	Y	126
102	108106137	37	NOC:LDPC and Polar Codes in 5G Standard	Y	Y	Y	64
103	108106138	29	NOC:Electromagnetic Compatibility, EMC	Y	Y	Y.	37
104	108107127	60	NOC:Computer Aided Power System Analysis	Y	Y	Y	9.3
105	108107128	40	NOC:Advance Power Electronics and Control	Y	Y	Y	6.9
106	108107129	40	NOC:CMOS Digital VLSI Design	Y	Y	Y	9.9
107	108108122	59	NOC:Fundamentals of Semiconductor Devices	Y	Y	Y	6.1
108	108108123	44	NOC:Advanced IOT Applications	Y	Y	Y	16
109	108108124	71	NOC:Electronic Systems for Cancer Diagnosis	Y	Y	Y	17
110	108108125	53	NOC:Electronic Modules for Industrial Applications using Op-Amps	Y	Y	Y	13
111	108108148	66	NOC:Neural Networks for Signal Processing – I	---	Y	Y	13
112	108102145	24	NOC:Power Electronics	Y	Y	Y	25
113	108102146	41	NOC:Electrical Machines	Y	Y	Y	29
114	108103141	37	NOC:Microwave Engineering	---	Y	Y	22
115	108104139	60	NOC:Basic Electric Circuits	---	Y	Y	26
116	108104140	40	NOC:Fundamentals of Electric Drives	---	Y	Y	14
117	108105153	84	NOC:Electrical Measurement and Electronic Instruments	Y	Y	Y	32
118	108105154	60	NOC:Principles and Techniques of Modern Radar Systems	Y	Y	Y	17
119	108105155	94	NOC:Electrical Machines - I	---	Y	Y	27
120	108106149	103	NOC:Mapping Signal Processing Algorithms to Architectures	---	Y	Y	64
121	108106150	47	NOC:Linear System Theory	---	Y	Y	29
122	108106151	82	NOC:Digital Signal Processing	---	Y	Y	63
123	108106152	117	NOC:Computational Electromagnetics	Y	Y	Y	85
124	108107142	60	NOC:Microelectronics: Devices to Circuits	Y	Y	Y	12
125	108107143	40	NOC:DC Microgrid	---	Y	Y	11
126	108108147	63	NOC:Sensors and Actuators	Y	Y	Y	35
127	108102119	41	Engineering Electromagnetics	---	Y	---	5.4
128	108106165	23	NOC:A Brief Introduction of Micro-Sensors	Y	Y	Y	22
129	108105158	99	NOC:Analog Electronic Circuits	Y	Y	---	65

130	108106160	67	NOC:DC Power Transmission Systems	---	Y	Y	42
131	108106158	78	NOC:Digital IC Design	---	Y	Y	74
132	108108157	39	NOC:Electronics Equipment Integration and Prototype Building	Y	Y	---	21
133	108104157	60	NOC:Fuzzy Sets, Logic and Systems and Applications	---	Y	---	18
134	108102157	43	NOC:High Power Multilevel Converters - Analysis, Design and Operational Issues	Y	Y	---	53
135	108106164	43	NOC:Linear Dynamical Systems	Y	Y	Y	47
136	108103157	34	NOC:Microprocessors and Interfacing	---	Y	---	14
137	108105159	82	NOC:Network Analysis	Y	Y	---	39
138	108106162	51	NOC:Nonlinear System Analysis	Y	Y	Y	19
139	108106161	44	NOC:Optical Engineering	---	Y	---	49
140	108106159	103	NOC:Power Management Integrated Circuits	---	Y	Y	57
141	108107157	40	NOC:Power Quality Improvement Technique	---	Y	Y	5.2
142	108106163	87	NOC:Signals and Systems	---	Y	---	54
143	108103158	39	NOC:Statistical Signal Processing	Y	Y	Y	16
144	108106157	33	NOC:Transmission Lines and Electromagnetic Waves	---	Y	Y	35
145	108105157	39	NOC:VLSI Signal Processing	---	Y	---	15
146	108102156	34	Special Electromechanical Systems	---	Y	---	6.0
147	108108166	53	NOC:Design and Simulation of Power conversion using open source tools	---	Y	---	4.1

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1	109101004	42	Contemporary Issues in Philosophy of Mind and Cognition	Y	Y	Y	30
2	109101017	41	Understanding Creativity and Creative Writing	Y	Y	Y	28
3	109103019	40	Cultural Studies	Y	Y	Y	22
4	109103020	38	English Language and Literature	Y	Y	Y	18
5	109103021	40	Game Theory and Economics	Y	Y	Y	22
6	109104031	40	Communication Skills	Y	Y	Y	12
7	109104035	43	International Economics	Y	Y	Y	9.9
8	109104040	44	Introduction to Logic	Y	Y	Y	18
9	109104045	40	Population and Society	Y	Y	Y	8.6
10	109104073	22	Macro Economics	Y	Y	Y	7.7
11	109104074	41	Introduction to Sociology	Y	Y	Y	9.8
12	109104076	40	Money and Banking	Y	Y	Y	7.6
13	109104081	40	Human Adjustment Processes	Y	Y	Y	8.4
14	109104082	35	Selected Topics in Psychology	Y	Y	Y	9.2
15	109104088	48	NOC:Elements of Visual Representation	Y	Y	Y	5.8
16	109106052	40	Aspects of Western Philosophy	Y	Y	Y	31
17	109106053	40	Contemporary Literature	Y	Y	Y	11

18	109106058	36	History of Economic Theory	Y	Y	Y	15
19	109106059	42	Indian Philosophy	Y	Y	Y	14
20	109106067	38	Better Spoken English	Y	Y	Y	15
21	109106079	40	Introduction to Film Studies	Y	Y	Y	16
22	109106080	41	Introduction to Modern Linguistics	Y	Y	Y	30
23	109106083	41	Principles and Parameters in Natural Language	Y	Y	Y	32
24	109106084	41	NOC:Literary Criticism and Literary Theory	Y	Y	Y	9.1
25	109106085	40	NOC:Language and Mind	Y	Y	Y	5.9
26	109106086	43	NOC:Film Appreciation	Y	Y	Y	11
27	109106087	71	NOC:Appreciating Carnatic Music	Y	Y	Y	16
28	109106089	38	NOC:Infrastructure Economics	Y	Y	Y	5.5
29	109104090	40	NOC:Practical English: Learning and Teaching	Y	Y	Y	11
30	109106091	20	NOC:Language and Society	Y	Y	Y	3.6
31	109104093	24	NOC:Brief introduction to Psychology	Y	Y	Y	5.0
32	109106092	20	NOC:Issues in Bioethics	Y	Y	Y	5.6
33	109106094	38	NOC:Technical English for Engineers	Y	Y	Y	19
34	109106095	22	NOC:Health Research Fundamentals	Y	Y	Y	7.3
35	109104032	39	Ethics	Y	Y	Y	12
36	109105098	20	NOC:Legal Compliance for Incorporating Startup	Y	Y	Y	4.9
37	109105097	20	NOC:Technology Transfer through Joint Venture	Y	Y	Y	5.0
38	109104096	20	NOC:Psychiatry:An overview	Y	Y	Y	1.4
39	109105111	40	NOC:Symbolic Logic	Y	Y	Y	8.9
40	109105110	40	NOC:Soft Skill Development	Y	Y	Y	9.4
41	109105113	39	NOC:Globalization and Culture	Y	Y	Y	11
42	109104107	48	NOC:Developing Soft Skills and Personality	Y	Y	Y	5.1
43	109104106	44	NOC:Folk and Minor Art in India	Y	Y	Y	3.4
44	109104105	43	NOC:Introduction to Psychology	Y	Y	Y	2.7
45	109104108	20	NOC:How the Brain Creates Mind	Y	Y	Y	1.8
46	109104102	20	NOC:Introduction to Indian Art - An appreciation	Y	Y	Y	1.6
47	109104109	20	NOC:Understanding Design Thinking & People Centred Design	Y	Y	Y	1.5
48	109104104	20	NOC:Probability and Stochastic for Finance II	Y	Y	Y	1.8
49	109104103	25	NOC:Basic Concepts of Modal Logic	Y	Y	Y	2.1
50	109106099	45	NOC:American Literature and Culture	Y	Y	Y	30
51	109103101	24	NOC:Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation	Y	Y	---	34
52	109106114	32	NOC:Applied Linguistics	Y	Y	Y	24
53	109106100	20	NOC:Economics of IPR	Y	Y	Y	8.0
54	109105112	40	NOC:Introduction on Intellectual Property to Engineers and Technologists	Y	Y	Y	11

55	109107115	15	NOC:Time value of money-Concepts and Calculations	Y	Y	Y	3.5
56	109107119	20	NOC:Depreciation, Alternate Investment and Profitability Analysis	Y	Y	Y	5.4
57	109104116	20	NOC:Postcolonial Literature	Y	Y	Y	1.5
58	109105116	40	NOC:Emotional Intelligence	Y	Y	Y	11
59	109104117	20	NOC:Introducing Modern Western Art: Movements and Artists	Y	Y	Y	1.7
60	109104115	40	NOC:Enhancing Soft Skills and Personality	Y	Y	Y	3.5
61	109105118	20	NOC:Great Experiments in Psychology	Y	Y	Y	5.5
62	109106117	20	NOC:Ethics	Y	Y	Y	12
63	109105115	46	NOC:Qualitative Research Methods	Y	Y	Y	9.5
64	109106120	17	NOC:The Renaissance and Shakespeare	Y	Y	Y	1.7
65	109106116	60	NOC:English Language for Competitive Exams	Y	Y	Y	27
66	109105117	39	NOC:Speaking Effectively	Y	Y	Y	8.7
67	109107121	60	NOC:Soft Skills	Y	Y	Y	19
68	109106122	33	NOC:Literature for Competitive Exams	Y	Y	Y	18
69	109104121	20	NOC:Cognition, Transformation and Lives	Y	Y	Y	1.5
70	109104122	20	NOC:Visual Perception and Art: A Survey Across the Cultures	Y	Y	Y	1.7
71	109104123	39	NOC:Introduction to Basic Cognitive Processes	Y	Y	Y	3.0
72	109104124	40	NOC:Calculus of One Real Variable	Y	Y	Y	2.5
73	109103121	36	NOC:Science, Technology and Society	Y	Y	Y	15
74	109103122	21	NOC:Gender and Literature	Y	Y	Y	14
75	109103123	31	NOC:Ecology and Society	Y	Y	Y	13
76	109106124	68	NOC:History of English Language and Literature	Y	Y	Y	24
77	109105121	60	NOC:Human Resource Development	Y	Y	Y	16
78	109105122	38	NOC:Educational Leadership	Y	Y	Y	11
79	109107131	20	NOC:Sociology of Science	Y	Y	Y	6.0
80	109107132	20	NOC:Perspectives on Neurolinguistic	Y	Y	Y	5.3
81	109106128	53	NOC:Patent Drafting for Beginners	Y	Y	Y	8.2
82	109106129	19	NOC:Business English Communication	Y	Y	Y	18
83	109105127	40	NOC:Strategic Performance Management	Y	Y	Y	12
84	109106130	40	NOC:Postmodernism in Literature	Y	Y	Y	33
85	109104126	40	NOC:Introduction to Advanced Cognitive Processes	Y	Y	Y	11
86	109104125	141	NOC:An Introduction to Microeconomics	Y	Y	Y	15
87	109103133	30	NOC:Sociological Perspectives on Modernity	Y	Y	Y	13
88	109103134	30	NOC:Introduction to Cognitive Psychology	Y	Y	Y	9.4
89	109103135	30	NOC:Introduction to Modern Indian Political Thought	Y	Y	Y	23
90	109103136	20	NOC:Consumer Psychology	Y	Y	Y	19
91	109104135	35	NOC:Introduction to Literary Theory	Y	Y	Y	10
92	109104136	20	NOC:Development of Sociology in India	Y	Y	Y	5.0

93	109105135	20	NOC:Introduction to Basic Spoken Sanskrit	---	Y	---	6.7
94	109105136	20	NOC:Water, Society and Sustainability	Y	Y	Y	6.5
95	109106135	47	NOC:Indian Fiction in English	Y	Y	Y	60
96	109106136	58	NOC:Introduction to Cultural Studies	Y	Y	Y	45
97	109106137	78	NOC:Intellectual Property	Y	Y	Y	15
98	109106138	54	NOC:Short Fiction in Indian Literature	Y	Y	Y	54
99	109103140	27	NOC:Introduction to Modern Indian Drama	Y	Y	Y	10
100	109103141	30	NOC:Introduction to Political Theory	Y	Y	Y	26
101	109103142	21	NOC:Human Behaviour	Y	Y	Y	21
102	109104143	38	NOC:Introduction to the Pyschology of Language	Y	Y	Y	19
103	109105144	40	NOC:Employment Communication A Lab based course	Y	Y	Y	15
104	109106145	57	NOC:The Nineteenth-Century English Novel	Y	Y	Y	94
105	109106146	51	NOC:Feminist Writings	Y	Y	Y	80
106	109106147	50	NOC:Introduction to World Literature	Y	Y	Y	77
107	109106148	44	NOC:Managing Intellectual Property in Universities	Y	Y	Y	3.7
108	109106149	40	NOC:English Literature of the Romantic Period, 1798-1832	Y	Y	Y*	27
109	109107139	60	NOC:Literature, Culture and Media	Y	Y	Y	12
110	109106170	80	Introduction to Film Studies (2019)	---	Y	---	85
111	109102156	38	NOC:Text, Texuality and Digital Media	---	Y	Y	30
112	109102157	23	NOC:Positive Psychology	Y	Y	Y	12
113	109103152	20	NOC:The Psychology of Language	---	Y	Y	8.9
114	109103153	25	NOC:Development Research Methods	---	Y	Y	10
115	109104150	20	NOC:Population Studies	---	Y	Y	9.1
116	109104151	15	NOC:Psychology of Everyday	Y	Y	Y	14
117	109105169	45	NOC:Intermediate Level of Spoken Sanskrit	---	Y	---	12
118	109106159	65	NOC:Appreciating Linguistics: A Typological Approach	---	Y	Y	121
119	109106160	15	NOC:Inclusion and Technology Design	Y	Y	Y	39
120	109106161	28	NOC:Energy Economics and Policy	---	Y	Y	25
121	109106163	19	NOC:The Victorian Gothic Short Story	Y	Y	Y	38
122	109106165	51	NOC:German-II	---	Y	---	74
123	109106166	46	NOC:German-I	---	Y	---	80
124	109106168	33	NOC:Disability Studies: An Introduction	---	Y	---	50
125	109107154	20	NOC:Body language: Key to professional Success	Y	Y	Y	4.0
126	109107155	40	NOC:Interpersonal Skills	Y	Y	Y	8.9
127	109108158	23	NOC:Artistic Exploration in Scientific Research and Technology	Y	Y	Y	4.7
128	109107172	20	NOC:Effective Writing	Y	Y	Y	6.5
129	109101171	56	NOC:Energy Resources, Economics and Environment	Y	Y	Y	43
130	109106175	34	NOC:Feminism: Concepts and Theories	---	Y	---	38

131	109103171	22	NOC:Indian Business History	---	Y	---	11
132	109104171	40	NOC:Introduction to Brain and Behaviour	---	Y	Y	15
133	109107171	60	NOC:Introduction to Environmental Economics	Y	Y	Y	9.7
134	109106174	46	NOC:Introduction to Political Ideologies: Contexts, Ideas and Practices	---	Y	---	38
135	109106171	53	NOC:Literary Criticism (From Plato to Leavis)	---	Y	---	34
136	109106173	44	NOC:Modern Indian Writing in Translation	---	Y	---	27
137	109107173	40	NOC:Strategic Trade and Protectionism - Theories and Empirics	Y	Y	Y	9.8
138	109106172	61	NOC:Twentieth Century Fiction	---	Y	---	62
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Video Lecture Topics @ http://www.digimat.in/downloads/topics/management.pdf							
1	110101003	41	Managerial Accounting	Y	Y	Y	29
2	110101005	40	Managerial Economics	Y	Y	Y	35
3	110102016	40	Organisation Management	Y	Y	Y	16
4	110102058	38	Organisation of Engineering Systems and Human Resources Management	Y	Y	Y	29
5	110104055	37	Strategic Marketing - Contemporary Issues	Y	Y	Y	7.6
6	110104063	58	NOC:Strategy: An Introduction to game Theory	Y	Y	Y	2.5
7	110105030	40	Econometric Modelling	Y	Y	Y	19
8	110105033	41	Organizational Behaviour	Y	Y	Y	12
9	110105035	40	Security Analysis and Portfolio Management	Y	Y	Y	19
10	110105039	40	Six Sigma	Y	Y	Y	8.3
11	110105052	40	International Business Communication	Y	Y	Y	16
12	110105054	40	Consumer Behaviour	Y	Y	Y	12
13	110105057	40	International Finance	Y	Y	Y	11
14	110105060	42	Applied Multivariate Statistical Modeling	Y	Y	Y	12
15	110106043	40	Infrastructure Finance	Y	Y	Y	20
16	110106044	40	Manufacturing Systems Management	Y	Y	Y	18
17	110106045	41	Operations and Supply Chain Management	Y	Y	Y	18
18	110106050	42	Business Analysis for Engineers	Y	Y	Y	16
19	110106062	40	NOC:Introduction to Operations Research	Y	Y	Y	4.0
20	110108047	37	Strategic Management	Y	Y	Y	16
21	110108056	38	Global Supply Chain Management	Y	Y	Y	10
22	110104066	50	NOC:Quantitative Finance	Y	Y	Y	8.7
23	110104065	48	NOC:Managing Services	Y	Y	Y	12
24	110106064	47	NOC:Introduction to Data Analytics	Y	Y	Y	2.4
25	110105067	50	Economics / Management / Entrepreneurship	Y	Y	Y	13
26	110105069	32	NOC:Principles of Human Resource Management	Y	Y	Y	9.6
27	110104068	46	NOC:Marketing Management - I	Y	Y	Y	3.1

28	110106072	50	NOC:Introduction to Data analytics	Y	Y	Y	2.6
29	110104070	48	NOC:Marketing Management - II	Y	Y	Y	3.7
30	110105071	40	NOC:Commodity Derivatives and Risk Management	Y	Y	Y	11
31	110105073	24	NOC:Strategic Communication for Sustainable Development	Y	Y	Y	4.8
32	110107073	60	NOC:Financial Statement Analysis and Reporting	Y	Y	Y	17
33	110105078	39	NOC:Services Marketing: A Practical Approach	Y	Y	Y	4.9
34	110107074	40	NOC:Supply Chain Analytics	Y	Y	Y	9.9
35	110105074	40	NOC:Consumer Behaviour	Y	Y	Y	8.2
36	110105076	40	NOC:Knowledge Management	Y	Y	Y	11
37	110105079	61	NOC:Business Ethics	Y	Y	Y	17
38	110105075	41	NOC:Foundation Course in Managerial Economics	Y	Y	Y	9.0
39	110104074	27	NOC:Systems Engineering: Theory and Practice	Y	Y	Y	3.0
40	110104073	40	NOC:Project Management	Y	Y	Y	2.6
41	110106081	78	NOC:Patent Law for Engineers and Scientists	Y	Y	Y	27
42	110107080	40	NOC:Marketing Research and Analysis	Y	Y	Y	11
43	110107081	60	NOC:Project Management for Managers	Y	Y	Y	16
44	110104080	34	NOC:Total Quality Management - I	Y	Y	Y	3.3
45	110105080	20	NOC:Gender Justice and Workplace Security	Y	Y	Y	4.8
46	110105081	58	NOC:Corporate Social Responsibility	Y	Y	Y	13
47	110105082	40	NOC:Decision Modeling	Y	Y	Y	11
48	110105083	60	NOC:E-Business	Y	Y	Y	15
49	110105091	31	NOC:Research Writing	Y	Y	Y	5.7
50	110104084	22	NOC:Management of New Products and Services	Y	Y	Y	4.7
51	110104085	41	NOC:Total Quality Management-II	Y	Y	Y	8.6
52	110104086	28	NOC:Practitioners Course In Descriptive,Predictive and Prescriptive Analytics	Y	Y	Y	11
53	110105088	60	NOC:Quality Design and Control	Y	Y	Y	17
54	110105087	60	NOC:Design and Analysis of Experiments	Y	Y	Y	16
55	110105089	60	NOC:Business Analytics for Management Decision	Y	Y	Y	20
56	110107092	60	NOC:Business Analytics and Data Mining Modeling using R	Y	Y	Y	15
57	110105090	56	NOC:Soft Skills for Business Negotiations and Marketing Strategies	Y	Y	Y	17
58	110103093	23	NOC:Economic Growth and Development	Y	Y	Y	13
59	110104093	61	NOC:Microeconomics: Theory and Applications	Y	Y	Y	13
60	110104094	60	NOC:Data Analysis and Decision Making-I	Y	Y	Y	19
61	110104095	51	NOC:Economics of Health and Health Care	Y	Y	Y	11
62	110104096	26	NOC:Simulation of Business Systems: An Applied Approach	Y	Y	Y	7.8
63	110105093	60	NOC:Engineering Econometrics	Y	Y	Y	18
64	110105094	60	NOC:Industrial Safety Engineering	Y	Y	Y	16
65	110105095	60	NOC:Management of Inventory Systems	Y	Y	Y	17

66	110105096	40	NOC:Selected Topics in Decision Modeling	Y	Y	Y	8.3
67	110105097	40	NOC:Ethics in Engineering Practice	Y	Y	Y	12
68	110107093	60	NOC:Working Capital Management	Y	Y	Y	15
69	110107094	40	NOC:Innovation, Business Models and Entrepreneurship	Y	Y	Y	12
70	110107095	20	NOC:Business Analytics and Data Mining Modeling Using R - Part II	Y	Y	Y	5.3
71	110104117	20	NOC:Management of Field Sales	Y	Y	Y	9.4
72	110104118	60	NOC:Data Analysis and Decision Making-II	Y	Y	Y.	25
73	110104119	46	NOC:Advanced Green Manufacturing Systems	Y	Y	Y	23
74	110105120	40	NOC:Managing Change in Organizations	Y	Y	Y	13
75	110105121	60	NOC:Financial Institutions and Markets	Y	Y	Y	17
76	110105122	40	NOC:Sales and Distribution Management	Y	Y	Y	17
77	110105123	63	NOC:Six Sigma	Y	Y	Y*	19
78	110106124	27	NOC:Design Thinking - A Primer	Y	Y	Y	21
79	110107112	40	NOC:Global Marketing Management	Y	Y	Y	7.0
80	110107113	60	NOC:Marketing Research and Analysis-II	Y	Y	Y	11
81	110107114	60	NOC:Business Statistics	Y	Y	Y	11
82	110107115	20	NOC:MCDM Techniques Using R	Y	Y	Y	4.7
83	110107116	40	NOC:Manufacturing Strategy	Y	Y	Y	12
84	110101131	40	NOC:Financial Accounting	Y	Y	Y	33
85	110101132	20	NOC:Cost Accounting	Y	Y	Y	17
86	110101133	40	NOC:Game Theory	Y	Y	Y	24
87	110104125	60	NOC:Data Analysis and Decision Making - III	---	Y	Y	15
88	110105137	63	NOC:Performance and Reward Management	Y	Y	Y	15
89	110105138	40	NOC:The Ethical Corporation	---	Y	Y	20
90	110105139	43	NOC:Intellectual Property Rights and Competition Law	---	Y	Y	11
91	110105140	40	NOC:Patent Search for Engineers and Lawyers	---	Y	Y	11
92	110106134	34	NOC:Decision-Making Under Uncertainty	Y	Y	Y	32
93	110106135	34	NOC:Decision making using financial accounting	Y	Y	Y	52
94	110107126	48	NOC:Training Of Trainers	Y	Y	Y	27
95	110107127	60	NOC:Management Accounting	Y	Y	Y	10
96	110107128	60	NOC:Financial Derivatives and Risk Management	Y	Y	Y	17
97	110107129	40	NOC:Business Analytics and Text Mining Modeling Using Python	---	Y	Y	5.8
98	110107130	40	NOC:Toyota Production System	---	Y	Y	13
99	110105144	41	NOC:Behavioral and Personal Finance	Y	Y	---	19
100	110106141	61	NOC:Entrepreneurship	---	Y	---	36
101	110107144	60	NOC:Financial Management for Managers	Y	Y	Y	12
102	110108141	36	NOC:Integrated Marketing Management	Y	Y	Y	11
103	110101141	49	NOC:Introduction to Stochastic Processes	Y	Y	Y	57

104	110101142	63	NOC:Introduction to System Dynamics Modeling	Y	Y	Y	38
105	110105143	60	NOC:Management of Commercial Banking	---	Y	---	30
106	110105142	66	NOC:Marketing Analytics	---	Y	Y	18
107	110105141	62	NOC:Modelling and Analytics for Supply Chain Management	Y	Y	---	17
108	110107141	60	NOC:Production and Operation Management (Prof. Rajat Agarwal)	Y	Y	Y	14
109	110107143	60	NOC:Production and Operation Management (Prof. Santosh Rangnekar)	Y	Y	Y	13
110	110107142	40	NOC:Services Marketing: Integrating People, Technology, Strategy	---	Y	---	4.1
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Video Lecture Topics @ http://www.digimat.in/downloads/topics/mathematics.pdf							
1	111101003	40	Elementary Numerical Analysis	Y	Y	Y	28
2	111101005	40	Measure and Integration	Y	Y	Y	34
3	111101080	40	Mathematics in India - From Vedic Period to Modern Times	Y	Y	Y	18
4	111102014	39	Stochastic Processes	Y	Y	Y	23
5	111103016	41	Formal Languages and Automata Theory	Y	Y	Y	17
6	111103070	40	Complex Analysis	Y	Y	Y	23
7	111104024	44	Applied Multivariate Analysis	Y	Y	Y	20
8	111104025	40	Calculus of Variations and Integral Equations	Y	Y	Y	12
9	111104027	40	Linear programming and Extensions	Y	Y	Y	17
10	111104068	42	Convex Optimization	Y	Y	Y	8.6
11	111104071	38	Foundations of Optimization	Y	Y	Y	7.2
12	111104079	40	Probability Theory and Applications	Y	Y	Y	8.6
13	111105035	42	Advanced Engineering Mathematics	Y	Y	Y	12
14	111105037	40	Functional Analysis	Y	Y	Y	19
15	111105038	40	Numerical methods of Ordinary & Partial Differential Equations	Y	Y	Y	12
16	111105039	40	Optimization	Y	Y	Y	12
17	111105041	40	Probability and Statistics	Y	Y	Y	8.7
18	111105042	40	Regression Analysis	Y	Y	Y	15
19	111105043	40	Statistical Inference	Y	Y	---	12
20	111105069	46	A Basic Course in Real Analysis	Y	Y	Y	15
21	111106044	48	An Introduction to Riemann Surfaces and Algebraic Curves: Complex 1-Tori and Elliptic Curves	Y	Y	Y	23
22	111106051	52	Linear Algebra	Y	Y	Y	21
23	111106052	42	Mathematical Logic	Y	Y	Y	17
24	111106053	52	Real Analysis	Y	Y	Y	22
25	111106083	36	NOC:An invitation to mathematics	Y	Y	Y	6.7
26	111107058	41	Discrete Mathematics	Y	Y	Y	4.5
27	111108066	40	Advanced Matrix Theory and Linear Algebra for Engineers	Y	Y	Y	19
28	111108081	40	Ordinary Differential Equations and Applications	Y	Y	Y	25

29	111104085	30	NOC:Basic Calculus for Engineers, Scientists and Economists	Y	Y	Y	4.2
30	111105077	40	Statistical Methods for Scientists and Engineers	Y	Y	Y	12
31	111106084	43	Advanced Complex Analysis - Part 1: Zeros of Analytic Functions, Analytic continuation, Monodromy, Hyperbolic Geometry	Y	Y	Y	18
32	111106086	51	NOC:Discrete Mathematics	Y	Y	Y	3.0
33	111105091	28	NOC:Applied Multivariate Statistical Modeling	Y	Y	Y	4.6
34	111105090	79	NOC:Probability and Statistics	Y	Y	Y	20
35	111104089	20	NOC:Probability and Stochastics for finance	Y	Y	Y	2.8
36	111106082	40	Dynamic Data Assimilation: An Introduction	Y	Y	Y	19
37	111106094	43	Advanced Complex Analysis - Part 2: Singularity at Infinity, Infinity as a Value, Compact Spaces of Meromorphic Functions for the Spherical Metric and Spherical Derivative	Y	Y	Y	29
38	111105093	20	NOC:Partial Differential Equations (PDE) for Engineers: Solution by Separation of Variables	Y	Y	Y	5.1
39	111104092	21	NOC:Differential Calculus in Several Variables	Y	Y	Y	1.5
40	111102096	77	NOC:Stochastic Processes - 1	Y	Y	Y	1.9
41	111104095	22	NOC:Curves and Surfaces	Y	Y	Y	1.1
42	111106097	42	Basic Algebraic Geometry : Varieties, Morphisms, Local Rings, Function Fields and Nonsingularity	Y	Y	Y	19
43	111106098	38	NOC:Introduction to Commutative Algebra	Y	Y	Y	30
44	111108098	60	NOC:Linear Algebra	Y	Y	Y	13
45	111104098	24	NOC:Linear Regression Analysis and Forecasting	Y	Y	Y	1.3
46	111102098	124	NOC:Stochastic Processes	Y	Y	Y*	13
47	111107098	60	NOC:Mathematical Methods and its Applications	Y	Y	Y	16
48	111105098	73	NOC:Introductory Course in Real Analysis	Y	Y	---	20
49	111105099	40	NOC:Modeling Transport Phenomena of Microparticles	Y	Y	Y	11
50	111106100	64	NOC:Differential Equations	Y	Y	Y	24
51	111107103	60	NOC:Integral Equations, Calculus of Variations and its Applications	Y	Y	Y	17
52	111107104	20	NOC:Nonlinear Programming	Y	Y	Y	5.5
53	111107105	40	NOC:Numerical Methods	Y	Y	Y	9.8
54	111101100	62	NOC:Measure Theory	Y	Y	Y	27
55	111106101	54	NOC:Numerical Analysis	Y	Y	Y	29
56	111104100	43	NOC:Introduction to R Software	Y	Y	Y	2.9
57	111105100	60	NOC:Constrained and Unconstrained Optimization	Y	Y	Y	15
58	111106102	39	NOC:Graph Theory	Y	Y	Y	9.3
59	111107107	20	NOC:Numerical Methods: Finite Difference Approach	Y	Y	Y	3.2
60	111101109	41	NOC:Calculus for Economics,Commerce and Management	Y	Y	Y	33
61	111107108	40	NOC:Multivariable Calculus	Y	Y	Y	11
62	111107106	60	NOC:Numerical Linear Algebra	Y	Y	Y	15
63	111102110	35	NOC:Chaotic Dynamical Systems	Y	Y	Y	27

64	111102111	92	NOC:Introduction to Probability Theory and Stochastic Processes	Y	Y	Y	30
65	111102112	21	NOC:Statistical Inference	Y	Y	Y	19
66	111105111	60	NOC:Matrix Solver	Y	Y	Y	16
67	111105112	40	NOC:Introduction to Abstract and Linear Algebra	Y	Y	Y	8.7
68	111106111	48	NOC:Transform Techniques for Engineers	Y	Y	Y.	72
69	111106112	21	NOC:Introduction to Probability and Statistics	Y	Y	Y	9.0
70	111106113	45	NOC:Introduction to Abstract Group Theory	Y	Y	Y	40
71	111106114	17	NOC:Groups: Motion, Symmetry and Puzzles	Y	Y	Y	24
72	111107111	60	NOC:Ordinary and Partial Differential Equations and Applications	Y	Y	Y	11
73	111107112	40	NOC:Matrix Analysis with Applications	Y	Y	Y	5.4
74	111107113	20	NOC:Mathematical Modelling: Analysis and Applications	Y	Y	Y	4.2
75	111101115	41	NOC:Basic Linear Algebra	Y	Y	Y	16
76	111101116	60	NOC:Commutative Algebra	Y	Y	Y*	34
77	111101117	62	NOC:Galois Theory	Y	Y	Y	61
78	111104120	34	NOC:Descriptive Statistics with R Software	Y	Y	Y	12
79	111105121	60	NOC:Engineering Mathematics-I	Y	Y	Y	17
80	111105122	60	NOC:Integral and Vector Calculus	Y	Y	Y	16
81	111105123	60	NOC:Transform Calculus and its applications in Differential Equations	Y	Y	Y	16
82	111107118	60	NOC:Dynamical System and Control	Y	Y	Y	8.2
83	111107119	60	NOC:Advanced Engineering Mathematics	Y	Y	Y.	8.8
84	111105124	64	NOC:Statistical Inference (2019)	Y	Y	Y	17
85	111102129	72	NOC:Integral Transforms and their Applications	Y	Y	Y	88
86	111102130	30	NOC:Introduction to Fuzzy Set Theory, Arithmetic and Logic	---	Y	Y	29
87	111102133	32	Introduction to Methods of Applied Mathematics	Y	Y	Y	24
88	111103126	36	NOC:Mathematical Finance	---	Y	Y	20
89	111104125	37	NOC:Calculus of Several Real Variables	---	Y	Y	14
90	111105132	20	NOC:Mathematical Methods for Boundary Value Problems	---	Y	Y	6.6
91	111106131	44	NOC:Introduction To Rings And Fields	Y	Y	Y	58
92	111107127	56	NOC:Higher Engineering Mathematics	Y	Y	Y	5.8
93	111107128	40	NOC:Operations Research	---	Y	Y	4.3
94	111102134	30	NOC:Advanced Probability Theory	---	Y	---	41
95	111108134	68	NOC:An Introduction to Smooth Manifolds	---	Y	Y	5.7
96	111101134	69	NOC:Basic Real Analysis	Y	Y	---	48
97	111105134	60	NOC:Engineering Mathematics - II	Y	Y	---	28
98	111108136	60	NOC:Introduction to Algebraic Geometry and Commutative Algebra	Y	Y	Y	9.9
99	111106135	48	NOC:Linear Algebra (Prof. Pranav Haridas)	---	Y	---	45
100	111108135	62	NOC:Measure Theory (Prof. E. K. Narayanan)	Y	Y	Y	12
101	111106134	67	NOC:Probabilistic Methods in PDE	---	Y	---	36

Discipline : Mechanical Engineering

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1	112101002	43	Convective Heat and Mass Transfer	Y	Y	Y	18
2	112101004	42	Cryogenic Engineering	Y	Y	Y	34
3	112101095	40	Advanced Strength of Materials	Y	Y	Y	9.7
4	112101097	35	Heat and Mass Transfer	Y	Y	Y	6.7
5	112101099	40	Robotics	Y	Y	Y	11
6	112102014	42	Tribology	Y	Y	Y	18
7	112102101	52	Computer Aided Design and Manufacturing	Y	Y	Y	8.8
8	112102106	41	Project and Production Management	Y	Y	Y	11
9	112103023	40	Nonlinear Vibration	Y	Y	Y	20
10	112103025	42	Theory and Practice of Rotor Dynamics	Y	Y	Y	26
11	112103108	40	Engineering Mechanics	Y	Y	Y	9.5
12	112103112	40	Mechanical Vibrations	Y	Y	Y	9.3
13	112104026	39	Acoustics	Y	Y	Y	9.4
14	112104028	34	Advanced Machining Processes	Y	Y	Y	14
15	112104029	40	Biomicroelectromechanical systems	Y	Y	Y	18
16	112104031	40	Computer Aided Engineering Design	Y	Y	Y	16
17	112104035	40	Mathematical Methods in Engineering and Science	Y	Y	Y	12
18	112104114	44	Dynamics of Machines	Y	Y	Y	5.9
19	112104115	38	Finite Element Method	Y	Y	Y	4.4
20	112104121	39	Kinematics of Machines	Y	Y	Y	3.6
21	112104162	38	Advanced manufacturing process for micro system fabrication	Y	Y	Y	14
22	112104172	40	Engineering Drawing	Y	Y	Y	15
23	112104181	42	NOC:BioMEMS and Microsystems	Y	Y	Y	4.6
24	112105045	43	Computational Fluid Dynamics (Prof. S. Chakraborty)	Y	Y	Y	22
25	112105048	40	Machinery fault diagnosis and signal processing	Y	Y	Y	9.4
26	112105051	43	Solar Energy Technology	Y	Y	Y	11
27	112105053	40	Technology of Surface Coating	Y	Y	Y	11
28	112105055	40	Vibration of Structures	Y	Y	Y	11
29	112105123	32	Basic Thermodynamics	Y	Y	Y	7.1
30	112105124	40	Design of Machine Elements I	Y	Y	Y	12
31	112105126	41	Manufacturing Processes II	Y	Y	Y	9.1
32	112105128	46	Refrigeration and Air Conditioning	Y	Y	Y	12
33	112105171	49	Fluid Mechanics	Y	Y	Y	13
34	112105182	40	Introduction to Fluid Machines and Compressible Flow	Y	Y	Y	11
35	112105183	58	Introduction to Fluid Mechanics and Fluid Engineering	Y	Y	Y	17
36	112106056	40	Advanced Gas Dynamics	Y	Y	Y	18

37	112106064	40	Design and Optimization of Energy systems	Y	Y	Y	16
38	112106065	41	Engineering Fracture Mechanics	Y	Y	Y	18
39	112106068	41	Experimental Stress Analysis	Y	Y	Y	19
40	112106073	41	Rocket Propulsion	Y	Y	Y	18
41	112106130	30	Advanced Finite Elements Analysis	Y	Y	Y	4.9
42	112106131	39	Advanced Operations Research	Y	Y	Y	13
43	112106134	22	Fundamentals of Operations Research	Y	Y	Y	4.6
44	112106135	33	Introduction to Finite Element Method	Y	Y	Y	7.3
45	112106138	50	Mechanical Measurements and Metrology	Y	Y	Y	13
46	112106140	26	Principles of Mechanical Measurements	Y	Y	Y	5.4
47	112106154	41	Spray Theory and Applications (Repurposed)	Y	Y	Y	17
48	112106155	46	Conduction And Radiation	Y	Y	Y	19
49	112106166	40	Gas Dynamics and Propulsion	Y	Y	Y	31
50	112106169	41	Microfluidics	Y	Y	Y	25
51	112106170	44	Convective Heat Transfer	Y	Y	Y	27
52	112106177	40	Introduction to Explosions and Explosion Safety	Y	Y	Y	33
53	112106180	35	NOC:Engineering Mechanics Statics and Dynamics	Y	Y	Y	4.0
54	112107078	40	Advanced Manufacturing Processes	Y	Y	Y	20
55	112107079	43	Computational Fluid Dynamics (Dr. K.M. Singh)	Y	Y	Y	31
56	112107086	40	Processing of non metals	Y	Y	Y	31
57	112107087	40	Vibration control	Y	Y	Y	34
58	112107089	40	Welding Engineering	Y	Y	Y	31
59	112107143	40	Industrial Engineering	Y	Y	Y	8.3
60	112107145	40	Manufacturing Processes I	Y	Y	Y	8.0
61	112107147	40	Strength of Materials	Y	Y	Y	8.0
62	112108092	40	Micro and Smart Systems	Y	Y	Y	11
63	112105187	48	Micro fluidics	Y	Y	Y	23
64	112106186	44	NOC:Foundation of Computational Fluid Dynamics	Y	Y	Y	2.4
65	112104188	48	NOC:Manufacturing Systems Technology	Y	Y	Y	7.5
66	112104189	30	NOC:Manufacturing Systems Technology - Part II	Y	Y	Y	5.2
67	112105047	43	Fundamentals of Industrial Oil Hydraulics and Pneumatics	Y	Y	Y	13
68	112105192	41	NOC:Conduction and Convection Heat Transfer	Y	Y	Y	19
69	112105197	35	NOC:Vibrations of Structures	Y	Y	Y	9.8
70	112106190	40	NOC:Introduction to Boundary Layers	Y	Y	Y	16
71	112104193	48	NOC:Basics of Finite Element Analysis	Y	Y	Y	1.7
72	112106196	48	NOC:Fundamentals of Gas Dynamics	Y	Y	Y	21
73	112104194	48	NOC:Basics of Noise and Its Measurements	Y	Y	Y	2.3
74	112104195	48	NOC:Manufacturing Process Technology - Part I	Y	Y	Y	2.3

75	112106198	32	NOC:Experimental Stress Analysis:An Overview	Y	Y	Y	4.0
76	112108201	44	NOC:Variational Methods in Mechanics	Y	Y	Y	13
77	112105206	39	NOC:Fluid Machines	Y	Y	Y	9.5
78	112104203	40	NOC:Nature and Property of Materials	Y	Y	Y	2.9
79	112104204	48	NOC:Manufacturing Process Technology - II	Y	Y	Y	3.3
80	112104205	48	NOC:Basics of Finite Element Analysis - II	Y	Y	Y	1.8
81	112107209	40	NOC:Engineering Economic Analysis	Y	Y	Y	11
82	112107208	40	NOC:Refrigeration and Air-Conditioning	Y	Y	Y	9.6
83	112107207	20	NOC:Two Phase Flow and Heat Transfer	Y	Y	Y	3.9
84	112106200	34	NOC:Fluid Dynamics and Turbomachines	Y	Y	Y	15
85	112103202	19	NOC:Advanced Machining Processes	Y	Y	Y	6.9
86	112105211	20	NOC:Computer Numerical Control (CNC) of Machine Tools and Processes	Y	Y	Y	4.5
87	112106179	44	Metrology	Y	Y	Y	29
88	112107083	40	Metal Casting	Y	Y	Y	28
89	112108212	40	NOC:Heat Transfer and Combustion in Multiphase Systems	Y	Y	Y	7.9
90	112108211	72	NOC:Compliant Mechanisms: Principles and Design	Y	Y	Y	16
91	112107212	40	NOC:Introduction to Mechanical Vibration	Y	Y	Y	11
92	112107216	40	NOC:Steam and Gas Power Systems	Y	Y	Y	9.3
93	112107215	40	NOC:Principles of Casting Technology	Y	Y	Y	11
94	112107214	40	NOC:Modelling and Simulation of Dynamic Systems	Y	Y	Y	9.4
95	112107213	40	NOC:Joining Technologies of Commercial Importance	Y	Y	Y	11
96	112105212	20	NOC:Non Traditional Abrasive Machining Processes - Ultrasonic, Abrasive Jet and Abrasive Water Jet Machining	Y	Y	Y	5.4
97	112107217	20	NOC:Product Design and Development	Y	Y	Y	5.7
98	112107211	20	NOC:Convective Heat Transfer	Y	Y	Y	5.7
99	112105218	60	NOC:Introduction to Fluid Mechanics (Repurposed)	Y	Y	Y*	17
100	112104212	72	NOC:Fundamentals of Acoustics	Y	Y	Y	3.1
101	112104211	21	NOC:Principles of Vibration Control	Y	Y	Y	1.6
102	112104219	40	NOC:Heat Treatment and Surface Hardening - II	Y	Y	Y	4.4
103	112104220	50	NOC:Phase Transformation in Materials	Y	Y	Y	3.3
104	112107219	60	NOC:Fundamentals of Manufacturing Processes	Y	Y	Y	17
105	112106222	42	NOC:Micro and Nano Scale Energy Transport	Y	Y	Y	34
106	112104221	31	NOC:Manufacturing of Composites	Y	Y	Y	2.5
107	112104222	54	NOC:Applied Ergonomics	Y	Y	Y	4.7
108	112106223	40	NOC:Electron Diffraction and Imaging	Y	Y	Y	31
109	112106225	42	NOC:Acoustic and Noise Control	Y	Y	Y	21
110	112104225	30	NOC:Sustainability through Green Manufacturing Systems: An Applied Approach	Y	Y	Y	4.4
111	112107220	40	NOC:Modelling and Simulation of Discrete Event System	Y	Y	Y	11

112	112107221	40	NOC:Processing of Polymers and Polymer Composites	Y	Y	Y	11
113	112106226	49	NOC:Steel Quality: Role of Secondary Refining and Continuous Casting	Y	Y	Y	16
114	112106227	40	NOC:X-ray Crystallography and Diffraction	Y	Y	Y	24
115	112104227	72	NOC:Noise Management and Control	Y	Y	Y	4.0
116	112105219	20	NOC:Spur and Helical Gear Cutting	Y	Y	Y	5.7
117	112105220	21	NOC:Laws of Thermodynamics	Y	Y	Y	6.8
118	112105221	68	NOC:Energy Conservation and Waste Heat Recovery	Y	Y	Y	17
119	112105233	21	NOC:Metal Cutting and Machine Tools	Y	Y	Y	6.4
120	112104230	32	NOC:Product Design and Manufacturing	Y	Y	Y	12
121	112106237	20	NOC:Transport Phenomena in Materials	Y	Y	Y	11
122	112105234	45	NOC:Gear and Gear Unit Design: Theory and Practice	Y	Y	Y	11
123	112105235	45	NOC:Traditional and Non-Traditional Optimization Tools	Y	Y	Y	11
124	112104228	32	NOC:Design Practice	Y	Y	Y	8.4
125	112105236	40	NOC:Mechanism and Robot Kinematics	Y	Y	Y	12
126	112103244	23	NOC:Advances in Welding and Joining Technologies	Y	Y	Y	12
127	112107240	40	NOC:Automatic Control	Y	Y	Y	11
128	112107241	40	NOC:Failure Analysis and Prevention	Y	Y	Y	11
129	112107242	40	NOC:Mechanical Measurement System	Y	Y	Y	12
130	112103245	27	NOC:Introduction to Machining and Machining Fluids	Y	Y	Y	9.9
131	112107238	60	NOC:Operations Management	Y	Y	Y	4.1
132	112104229	72	NOC:Introduction To Composites	Y	Y	Y	14
133	112108246	60	NOC:Convective Heat Transfer (2018)	Y	Y	Y	14
134	112103243	30	NOC:Fundamentals of Nuclear Power Generation	Y	Y	Y	6.9
135	112105232	60	NOC:Machinery Fault Diagnosis and Signal Processing	Y	Y	Y	15
136	112105231	63	NOC:Introduction to Mechanical Micro Machining	Y	Y	Y	16
137	112107239	60	NOC:Theory of Production Processes	Y	Y	Y	17
138	112106247	37	NOC:Experimental Stress Analysis: An Overview	Y	Y	Y	62
139	112102248	15	NOC:RAC Product Design	Y	Y	Y	9.6
140	112103248	20	NOC:Mechanics of Machining	Y	Y	Y	6.2
141	112103249	31	NOC:Principle of Hydraulic Machines and System Design	---	Y	Y	8.2
142	112103250	25	NOC:Introduction to Abrasive Machining and Finishing Processes	Y	Y	Y	18
143	112103251	14	NOC:Theory of Rectangular Plates - Part I	Y	Y	Y	3.8
144	112104248	40	NOC:Phase Equilibria in Materials-Nature and Properties of Materials-II	Y	Y	Y	7.6
145	112104249	72	NOC:Advanced Composites	Y	Y	Y	8.4
146	112104250	52	NOC:Engineering Metrology	Y	Y	Y	18
147	112104251	19	NOC:Smart Materials and Intelligent System Design	Y	Y	Y	7.7
148	112104252	37	NOC:Design Practice-II	Y	Y	Y.	7.0
149	112105248	66	NOC:Heat Exchangers: Fundamentals and Design Analysis	Y	Y	Y	18

150	112105249	45	NOC:Robotics	Y	Y	Y	11
151	112106248	50	NOC:Mechanics of Human Movement	Y	Y	Y	53
152	112106249	41	NOC:Design for Quality, Manufacturing and Assembly	Y	Y	Y	35
153	112106250	19	NOC:Surrogates and Approximations in Engineering Design	Y	Y	Y	14
154	112107248	60	NOC:Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations	Y	Y	Y	8.5
155	112107249	60	NOC:Work System Design	Y	Y	Y	19
156	112107250	40	NOC:Principles of Metal Forming Technology	Y	Y	Y	7.8
157	112102255	54	NOC:Thermodynamics	Y	Y	Y	32
158	112103261	33	NOC:Principles of Mechanical Measurement	Y	Y	Y	16
159	112103262	50	NOC:IC Engines and Gas Turbines	Y	Y	Y	21
160	112103263	24	NOC:Fundamental of Welding Science and Technology	Y	Y	Y*	13
161	112103264	15	NOC:Polymer Assisted Abrasive Finishing Processes	Y	Y	Y	11
162	112104265	44	NOC:Rapid Manufacturing	Y	Y	Y	27
163	112105266	68	NOC:Concepts of Thermodynamics	Y	Y	Y*	19
164	112105267	40	NOC:Electronic Packaging and Manufacturing	Y	Y	Y	10
165	112105268	40	NOC:Kinematics of Mechanisms and Machines	Y	Y	Y	11
166	112107256	40	NOC:Radiative Heat Transfer	Y	Y	Y	7.3
167	112107257	40	NOC:Weldability of Metals	Y	Y	Y	5.3
168	112107258	40	NOC:Manufacturing Guidelines for Product Design	Y	Y	Y	13
169	112107259	20	NOC:Inspection and Quality Control in Manufacturing	Y	Y	Y	4.5
170	112107260	60	NOC:Financial Mathematics	Y	Y	Y	9.7
171	112105269	60	NOC:Introduction to Fluid Mechanics (2019)	Y	Y	Y	16
172	112106270	37	Theory of Mechanism	Y	Y	---	90
173	112102284	32	NOC:Solid Mechanics	---	Y	Y	26
174	112103273	38	NOC:Mathematical Modeling of Manufacturing Processes	---	Y	Y	25
175	112103274	8	NOC:Two-Phase flow with phase change in conventional and miniature channels	Y	Y	Y	5.0
176	112103275	36	NOC:Applied Thermodynamics For Engineers	Y	Y	Y	27
177	112103276	33	NOC:Fundamentals of Conduction and Radiation	Y	Y	Y	22
178	112103277	33	NOC:Steam Power Engineering	Y	Y	Y	8.5
179	112103278	45	NOC:Dynamic Behaviour of Materials	---	Y	Y	14
180	112103279	36	NOC:Plastic Working of Metallic Materials	---	Y	Y	9.9
181	112103280	34	NOC:Fundamentals of Artificial Intelligence	Y	Y	Y	17
182	112103281	42	NOC:Aircraft Propulsion	---	Y	Y	12
183	112104272	60	NOC:Turbulent Combustion: Theory and Modelling	---	Y	Y	26
184	112104288	20	NOC:Manufacturing Automation	Y	Y	Y	8.4
185	112105287	59	NOC:Advanced Concepts in Fluid Mechanics	---	Y	Y	28
186	112106286	37	NOC:Engineering Mechanics	Y	Y	Y	127

187	112107282	20	NOC:Product Design Using Value Engineering	Y	Y	Y	9.1
188	112107283	20	NOC:Selection of Nanomaterials for Energy Harvesting and Storage Application	Y	Y	Y	4.8
189	112108285	25	NOC:A Short Lecture Series on Contour Integration in the Complex Plane	Y	Y	Y	3.5
190	112105254	60	NOC:Computational Fluid Dynamics	---	Y	---	5.9
191	112105271	65	NOC:Conduction and Convection Heat Transfer	---	Y	---	24
192	112106253	55	NOC: Steel Quality: Role of Secondary Refining and Continuous Casting	---	Y	---	4.9
193	112107290	39	NOC:Acoustic Metamaterials	Y	Y	Y	6.8
194	112103289	37	NOC:Computational Fluid Dynamics for Incompressible Flows	Y	Y	Y	22
195	112104289	50	NOC:Computer Integrated Manufacturing	---	Y	---	40
196	112103290	43	NOC:Experimental Methods in Fluid Mechanics	Y	Y	Y	14
197	112106289	34	NOC:Foundations of Computational Materials Modelling	---	Y	---	29
198	112106290	33	NOC:Fundamentals of Combustion for Propulsion	Y	Y	---	26
199	112108289	43	NOC:Introduction to Soft Matter	Y	Y	Y	5.2
200	112104290	20	NOC:Machining Science	---	Y	Y	9.4
201	112107291	40	NOC:Power Plant Engineering	Y	Y	Y	3.9
202	112107292	60	NOC:Principles of Industrial Engineering	Y	Y	Y	5.8
203	112107289	40	NOC:Robotics and Control: Theory and Practice	---	Y	Y	3.4
Discipline : Metallurgy and Material Science Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/metallurgy-and-material-science.pdf							
1	113104006	41	Electroceramics	Y	Y	Y	18
2	113104008	40	Fuels Refractory and Furnaces	Y	Y	Y	7.5
3	113104009	39	Introduction to Biomaterials	Y	Y	Y	15
4	113104010	40	Materials and Energy balance in Metallurgical Processes	Y	Y	Y	14
5	113104012	40	Optoelectronic Materials and Devices	Y	Y	Y	12
6	113104013	42	Steel Making	Y	Y	Y	16
7	113104014	45	Structure of Materials	Y	Y	Y	20
8	113104061	41	Environmental Degradation of Materials	Y	Y	Y	18
9	113105015	47	Advanced ceramics for strategic applications	Y	Y	Y	14
10	113105021	43	Non-ferrous Extractive Metallurgy	Y	Y	Y	20
11	113105024	42	Principles of Physical Metallurgy	Y	Y	Y	20
12	113105025	40	Processing of Semiconducting Materials	Y	Y	Y	11
13	113105028	40	Science and Technology of Polymers	Y	Y	Y	11
14	113105057	26	Advanced Materials and Processes	Y	Y	Y	5.3
15	113106031	31	Advanced Metallurgical Thermodynamics	Y	Y	Y	13
16	113106039	40	Physics of Materials	Y	Y	Y	15
17	113106062	40	Electronic Materials, Devices and Fabrication	Y	Y	Y	26
18	113106065	27	NOC:Fundamentals of Electronic Materials and Devices	Y	Y	Y	12

19	113106066	11	NOC:Introduction to Reciprocal Space and its use in Solids	Y	Y	Y	5.1
20	113106067	20	NOC:Analysis and Modeling of Welding	Y	Y	Y	7.8
21	113106064	22	NOC:Fundamentals of optical and scanning electron microscopy	Y	Y	Y	12
22	113104068	61	NOC:Phase Diagrams in Materials Science and Engineering	Y	Y	Y	3.6
23	113104004	33	Advanced Characterization Techniques	Y	Y	Y	22
24	113106034	54	Materials Characterization	Y	Y	Y	30
25	113108071	40	NOC:Biomaterials for Bone Tissue Engineering Applications	Y	Y	Y	9.7
26	113104073	40	NOC:Fundamentals of Material Processing - I	Y	Y	Y*	3.2
27	113104074	40	NOC:Heat Treatment and Surface Hardening - I	Y	Y	Y	3.1
28	113101072	87	NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects	Y	Y	Y	18
29	113103072	17	NOC:Introduction to Crystal Elasticity and Crystal Plasticity	Y	Y	Y	8.2
30	113106070	40	NOC:Theory and Practice of Non Destructive Testing	Y	Y	Y	15
31	113107075	40	NOC:Surface Engineering of Nanomaterials	Y	Y	Y	11
32	113106075	35	NOC:Defects in Materials	Y	Y	Y	27
33	113104075	41	NOC:Fundamentals of Material Processing - Part 2	Y	Y	Y	4.1
34	113108079	39	NOC:Iron Making	Y	Y	Y	11
35	113102080	147	NOC:Introduction to Materials Science and Engineering	Y	Y	Y	36
36	113107078	40	NOC:Material Science and Engineering	Y	Y	Y	9.2
37	113105077	47	NOC:Principles of Polymer Synthesis	Y	Y	Y	14
38	113104076	40	NOC:Nature and Properties Of Materials - An Introductory Course	Y	Y	Y	10
39	113104081	40	NOC:Defects in Crystalline Solids - Part I	Y	Y	Y	16
40	113104082	41	NOC:Corrosion - Part I	Y	Y	Y	5.9
41	113105081	60	NOC:Advanced Materials and Processes	Y	Y	Y	17
42	113106081	19	NOC:Elementary Stereology for Quantitative Metallography	Y	Y	Y	24
43	113106082	20	NOC:Welding of Advanced High Strength Steels for Automotive Applications	Y	Y	Y	18
44	113107081	20	NOC:Structural Analysis of Nanomaterials	Y	Y	Y	5.6
45	113104084	41	NOC:Solar Photovoltaics: Principles, Technologies and Material	Y	Y	Y	16
46	113104085	17	NOC:Defects in Crystalline Solids - Part II	Y	Y	Y	9.2
47	113105086	60	NOC:Surface Engineering for Corrosion and Wear Resistance Application	Y	Y	Y	17
48	113106087	59	NOC:Welding Processes	Y	Y	Y	66
49	113106088	24	NOC:Creep Deformation of Materials	Y	Y	Y	27
50	113108083	40	NOC:Friction and Wear of Materials: Principles and Case Studies	Y	Y	Y	6.7
51	113104089	41	NOC:Corrosion - Part II	---	Y	Y	11
52	113104090	40	NOC:Fundamentals and Applications of Dielectric Ceramics	---	Y	Y	13
53	113106093	25	NOC:Nanotechnology, Science and Applications	Y	Y	Y	54
54	113107091	40	NOC:Thermo-Mechanical and Thermo-Chemical Processes	Y	Y	Y	7.5
55	113107092	60	NOC:Welding Metallurgy	---	Y	Y	8.3
56	113101096	99	NOC:Dealing with Materials Data:Collection, Analysis and Interpretation	---	Y	---	46

57	113104097	41	NOC:Diffusion in Multicomponent Solids (2020.S1)	---	Y	---	30
58	113107096	40	NOC:Modeling of Tundish Steelmaking Process in Continuous Casting	Y	Y	Y	5.2
59	113104096	40	NOC:Properties of Materials (Nature and Properties of Materials-III)	Y	Y	Y	9.7
60	113106069	27	NOC:Fundamentals of X-ray Diffraction and Transmission Electron Microscopy	---	Y	Y	9.2
Discipline : Ocean Engineering Go to Top							
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1	114105002	49	Elements of Ocean Engineering	Y	Y	Y	12
2	114105003	40	Hydrostatics and Stability	Y	Y	Y	19
3	114105004	41	Marine Construction and Welding	Y	Y	Y	8.6
4	114105005	40	Marine Hydrodynamics	Y	Y	Y	12
5	114105006	40	Seakeeping and Manoeuvring	Y	Y	Y	8.6
6	114105029	27	Applied Thermodynamics for Marine Systems	Y	Y	Y	5.6
7	114105030	40	Performance of Marine Vehicles at Sea	Y	Y	Y	11
8	114105031	36	Strength and Vibration of Marine Structures	Y	Y	Y	5.2
9	114106011	42	Design of Offshore Structures	Y	Y	Y	16
10	114106015	33	Foundation for Offshore Structures	Y	Y	Y	11
11	114106017	35	Health,Safety and Environmental Management in Petroleum and Offshore Engineering	Y	Y	Y	8.0
12	114106025	48	Port and Harbour Structures	Y	Y	Y	30
13	114106026	17	Ship Resistance and Propulsion	Y	Y	Y	6.6
14	114106032	37	Coastal Engineering	Y	Y	Y	14
15	114106033	25	Wave Hydrodynamics	Y	Y	Y	9.8
16	114106035	38	Ocean Structures and Materials	Y	Y	Y	12
17	114106036	49	Dynamics of Ocean Structures	Y	Y	Y	20
18	114106037	53	Advanced Marine Structures	Y	Y	Y	21
19	114106038	47	NOC:Dynamics of Ocean Structures	Y	Y	Y	23
20	114106039	37	NOC:Health, Safety and Environmental Management in Offshore and Petroleum Engineering	Y	Y	Y	8.1
21	114106042	55	NOC:HSE for offshore and petroleum engineers	Y	Y	Y	24
22	114106041	58	NOC:Risk and Reliability of offshore structures	Y	Y	Y	25
23	114106043	53	NOC:Offshore Structures Under Special Loads Including Fire Resistance	Y	Y	Y	33
24	114106045	118	NOC:Computer Methods Of Structural Analysis of Offshore Structures	Y	Y	Y	103
25	114105044	65	NOC:Water Economics and Governance	Y	Y	Y	16
26	114106046	84	NOC:Structural Health Monitoring	Y	Y	Y	67
Discipline : Physics Go to Top							
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1	115101005	40	Electromagnetic Theory (Prof. D.K. Ghosh)	Y	Y	Y	29

2	115101011	24	Special Theory of Relativity	Y	Y	Y	22
3	115102014	42	Electronics	Y	Y	Y	19
4	115102020	42	Fundamentals and Applications	Y	Y	Y	19
5	115102022	42	Quantum Electronics	Y	Y	Y	17
6	115102023	42	Quantum Mechanics and Applications	Y	Y	Y	19
7	115102026	46	Semiconductor Optoelectronics	Y	Y	Y	32
8	115104043	43	Nuclear Physics: Fundamentals and Applications	Y	Y	Y	12
9	115104088	78	NOC:Introduction to Electromagnetism	Y	Y	Y	2.1
10	115105046	40	Astrophysics and Cosmology	Y	Y	Y	9.7
11	115106057	40	Special / Select Topics in Atomic Physics	Y	Y	Y	16
12	115106058	39	Classical Field Theory	Y	Y	Y	17
13	115106059	29	Topics in Nonlinear Dynamics	Y	Y	Y	15
14	115106061	58	Condensed Matter Physics	Y	Y	Y	18
15	115106065	38	Quantum Field Theory	Y	Y	Y	27
16	115106066	41	Quantum Mechanics I	Y	Y	Y	20
17	115106068	40	Special / Select Topics in Classical Mechanics	Y	Y	Y	13
18	115106085	46	Special / Select Topics in the Theory of Atomic Collisions and Spectroscopy	Y	Y	Y	14
19	115106086	36	Selected Topics in Mathematical Physics	Y	Y	Y	24
20	115106090	43	NOC: Mechanics, heat oscillations and waves	Y	Y	Y	12
21	115108074	45	Relativistic Quantum Mechanics	Y	Y	Y	26
22	115106087	30	Nuclear Reactors and Safety- An Introduction	Y	Y	Y	16
23	115106089	29	Physical Applications of Stochastic Processes	Y	Y	Y	27
24	115106091	36	Nonequilibrium Statistical Mechanics	Y	Y	Y	32
25	115104094	100	NOC:Engineering Mechanics	Y	Y	Y	3.8
26	115101092	46	NOC:Quantum Information and Computing	Y	Y	Y	19
27	115107095	40	NOC:Fiber Optics	Y	Y	Y	11
28	115104095	23	NOC:Computational Science and Engineering Using Python	Y	Y	Y	2.2
29	115104096	55	NOC:Introductory Quantum Mechanics	Y	Y	Y	2.3
30	115105097	60	NOC:Mathematical Methods in Physics - I	Y	Y	Y	17
31	115105098	60	NOC:Classical Mechanics: from Newtonian to Lagrangian Formulation	Y	Y	Y	16
32	115105099	75	NOC:Solid State Physics	Y	Y	Y	25
33	115103102	25	NOC:Advanced Condensed Matter Physics	Y	Y	Y	2.6
34	115105100	60	NOC:Atomic and Molecular Physics	Y	Y	Y	18
35	115103101	44	NOC:Nuclear and Particle Physics	Y	Y	Y	8.7
36	115102103	45	Semiconductor Optoelectronics (Repurposed)	Y	Y	Y	36
37	115101104	48	NOC:Theory of Groups for Physics Applications	Y	Y	Y	39
38	115103104	33	NOC:Advanced Quantum Mechanics with Applications	Y	Y	Y	7.1
39	115105104	59	NOC:Modern Optics	Y	Y	Y	15

40	115105105	60	NOC:Introduction to Non-linear Optics and its Applications	Y	Y	Y	16
41	115105106	86	NOC:Upstream LNG Technology	Y	Y	Y	16
42	115108104	50	NOC:Control System Design	Y	Y	Y	14
43	115101107	71	NOC:Quantum Mechanics-I	Y	Y	Y	41
44	115103108	17	NOC:A Brief Course on Superconductivity	Y	Y	Y	5.9
45	115104109	87	NOC:Introduction to Solid State Physics	Y	Y	Y*	17
46	115105110	60	NOC:Experimental Physics-I	Y	Y	Y	31
47	115106111	35	NOC:Statistical Mechanics	Y	Y	Y*	106
48	115101117	32	NOC:Path Integral and Functional Methods in Quantum Field Theory	Y	Y	Y	37
49	115103113	32	NOC:Introduction to Statistical Mechanics	---	Y	Y	14
50	115103114	24	NOC:Numerical Methods and Simulation Techniques for Scientists and Engineers	---	Y	Y	19
51	115103115	27	NOC:Theoretical Mechanics	---	Y	Y	4.3
52	115104112	44	NOC:Physics of Turbulence	---	Y	Y	20
53	115105120	61	NOC:Experimental Physics - II	Y	Y	Y	31
54	115106118	58	NOC:Computational Physics	Y	Y	Y	42
55	115106119	58	NOC:Waves and Oscillations	---	Y	Y	33
56	115107116	40	NOC:Solar Photovoltaics Fundamentals, Technology and Applications	---	Y	Y	6.1
57	115106122	83	NOC:Electromagnetism	Y	Y	Y	16
58	115105122	60	NOC:Electronic Theory of Solids	---	Y	---	12
59	115105121	62	NOC:Experimental Physics - III	---	Y	---	27
60	115101122	59	NOC:Group Theory Methods in Physics	Y	Y	---	50
61	115107121	60	NOC:Introduction to Atmospheric and Space Sciences	---	Y	Y	6.9
62	115107122	20	NOC:Optical Sensors	---	Y	---	3.0
63	115101121	62	NOC:Physics of Biological Systems	Y	Y	Y	40
64	115106121	50	NOC:Physics through Computational Thinking	---	Y	---	26
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1	116102034	20	Theory of Yarn Structures	Y	Y	Y	15
2	116104044	40	Natural Dyes	Y	Y	Y	12
3	116102047	40	NOC:Science of Clothing Comfort	Y	Y	Y	28
4	116102048	24	NOC:Yarn Manufacture-I: Principle of Carding and Drawing	Y	Y	Y	19
5	116102049	40	NOC:Evaluations of Textile Materials	Y	Y	Y.	31
6	116102050	24	NOC:Testing of Functional and Technical Textiles	Y	Y	Y	19
7	116102051	24	NOC:Theory of Yarn Structure	Y	Y	Y	20
8	116102052	21	NOC:Advanced Textile Printing Technology	Y	Y	Y	16
9	116102053	34	NOC:Textured Yarn Technology	Y	Y	Y	24
10	116102054	32	NOC:Textile Finishing	Y	Y	Y	27

11	116102055	30	NOC:Principles of Combing, Roving preparation & Ring spinning	---	Y	Y	21
12	116102056	50	NOC:Science and Technology of Weft and Warp Knitting	Y	Y	Y	26
Discipline : Electronics and Communication Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/electronics-and-communication-engineering.pdf							
1	117101001	50	Adv. Digital Signal Processing - Multirate and wavelets	Y	Y	Y	28
2	117101002	41	Advanced Optical Communication	Y	Y	Y	24
3	117101050	32	Broadband Networks: Concepts and Technology	Y	Y	Y	7.7
4	117101051	32	Digital Communication	Y	Y	Y	8.4
5	117101053	41	Information Theory and Coding	Y	Y	Y	19
6	117101056	60	Transmission Lines and EM Waves	Y	Y	Y	14
7	117102012	40	RF Integrated Circuits	Y	Y	Y	18
8	117102059	41	Communication Engineering	Y	Y	Y	11
9	117102060	43	Digital Signal Processing	Y	Y	Y	11
10	117102062	38	Wireless Communication	Y	Y	Y	7.7
11	117103063	40	Basic Electronics	Y	Y	Y	9.7
12	117104074	45	Signals and Systems	Y	Y	Y	8.4
13	117104099	40	Advanced 3G and 4G Wireless Mobile Communications	Y	Y	Y	17
14	117104104	37	Digital Switching	Y	Y	Y	16
15	117105075	41	Adaptive Signal Processing	Y	Y	Y	8.5
16	117105078	28	Digital Computer Organization	Y	Y	Y	4.9
17	117105079	40	Digital Image Processing	Y	Y	Y	8.5
18	117105080	40	Digital Systems Design	Y	Y	Y	8.8
19	117105081	40	Digital Voice and Picture Communication	Y	Y	Y	8.2
20	117105082	32	MEMS and Microsystems	Y	Y	Y	9.2
21	117105084	37	Neural Networks and Applications	Y	Y	Y	8.0
22	117105085	40	Probability and Random Processes	Y	Y	Y	12
23	117105101	40	Pattern Recognition and Application	Y	Y	Y	12
24	117106030	60	Analog IC Design	Y	Y	Y	26
25	117106031	38	Coding Theory	Y	Y	Y	19
26	117106033	57	Semiconductor Device Modeling	Y	Y	Y	39
27	117106034	60	VLSI Data Conversion Circuits	Y	Y	Y	27
28	117106086	40	Digital Circuits and Systems	Y	Y	Y	9.3
29	117106087	38	Electronics for Analog Signal Processing - I	Y	Y	Y	9.6
30	117106088	39	Electronics for Analog Signal Processing - II	Y	Y	Y	9.2
31	117106089	41	High Speed Devices and Circuits	Y	Y	Y	11
32	117106091	42	Solid State Devices	Y	Y	Y	11
33	117106092	55	VLSI Circuits	Y	Y	Y	14
34	117106093	40	VLSI Technology	Y	Y	Y	7.1

35	117106101	21	Basic Electrical Circuits	Y	Y	---	9.9
36	117106108	150	NOC:Basic Electrical Circuits	Y	Y	Y	3.9
37	117106114	53	NOC:Digital Circuits and Systems	Y	Y	Y	18
38	117108038	40	Circuits for Analog System Design	Y	Y	Y	19
39	117108040	44	Digital System design with PLDs and FPGAs	Y	Y	Y	20
40	117108044	42	Error Correcting Codes	Y	Y	Y	20
41	117108048	42	Pattern Recognition	Y	Y	Y	12
42	117106111	37	ARM Based Development	---	Y	Y	0.5
43	117106112	44	Embedded Software Testing	Y	Y	Y	0.6
44	117106109	34	Advanced Logic Synthesis	---	Y	---	0.6
45	117106113	43	Linux Programming and Scripting	Y	Y	Y	0.4
46	117104115	50	NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	Y	Y	Y	8.0
47	117106116	78	NOC:Networks and Systems	Y	Y	Y	4.5
48	117104117	23	NOC:Probability and Random Variables, Processes for Wireless Communications	Y	Y	Y	4.1
49	117108107	39	Analog Circuits and Systems 1	Y	Y	Y	18
50	117101106	25	Analog Circuits	Y	Y	Y	25
51	117101004	42	Advanced VLSI Design	Y	Y	Y	44
52	117101105	29	CMOS Analog VLSI Design	Y	Y	Y	26
53	117101119	34	NOC:Microwave Integrated Circuits	Y	Y	Y	15
54	117104118	39	NOC:Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks	Y	Y	Y	2.0
55	117105122	20	NOC:Basic Tools of Microwave Engineering	Y	Y	Y	4.9
56	117108124	24	NOC:Design and Simulation of DC-DC converters using Open Source Tools	Y	Y	Y	2.8
57	117101123	31	NOC:Foundations of Wavelets and Multirate Digital Signal Processing	Y	Y	Y	8.1
58	117104121	18	NOC:Error Control Coding: An Introduction to Linear Block code	Y	Y	Y	1.2
59	117104120	17	NOC:Error Control Coding: An Introduction to Convolutional Codes	Y	Y	Y	1.3
60	117105135	59	NOC:Digital Image Processing	Y	Y	Y	15
61	117105133	24	NOC:Audio System Engineering	Y	Y	Y	7.4
62	117105132	40	NOC:Fundamentals of MIMO Wireless Communication	Y	Y	Y	11
63	117105131	40	NOC:Satellite Communication Systems	Y	Y	Y	8.9
64	117104128	35	NOC:Digital Switching-I	Y	Y	Y	3.3
65	117104126	35	NOC:Bayesian/MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks	Y	Y	Y	1.6
66	117105130	20	NOC:Basic Building Blocks of Microwave Engineering	Y	Y	Y	5.2
67	117105134	40	NOC:Discrete Time Signal Processing	Y	Y	Y	11
68	117104129	24	NOC:An Introduction to Information Theory	Y	Y	Y	2.6
69	117104127	54	NOC:Optical Communications	Y	Y	Y	2.9

70	117103125	54	NOC:VLSI Design Verification and Test	Y	Y	Y	16
71	117108047	41	Nanoelectronics: Devices and Materials	Y	Y	Y	14
72	117105139	40	NOC:Millimeter Wave Technology	Y	Y	Y	11
73	117105138	20	NOC:Design Principles of RF and Microwave Filters and Amplifiers	Y	Y	Y	5.5
74	117105137	60	NOC:Digital VLSI Testing	Y	Y	Y	14
75	117105136	69	NOC:Spread Spectrum Communications and Jamming	Y	Y	Y	16
76	117108140	61	NOC:Enclosure Design of Electronics Equipment	Y	Y	Y	12
77	117108141	118	NOC:Design of Photovoltaic Systems	Y	Y	Y	11
78	117108142	14	NOC:Photonic Integrated Circuits	Y	Y	Y	4.7
79	117105140	60	NOC:Power System Analysis	Y	Y	Y	16
80	117105143	60	NOC:Analog Communication	Y	Y	Y	16
81	117105144	60	NOC:Modern Digital Communication Techniques	Y	Y	Y	16
82	117105145	44	NOC:Digital Speech Processing	Y	Y	Y	12
83	117105147	58	NOC:Analog Circuits and Systems through SPICE Simulation	Y	Y	Y	21
84	108107107	20	NOC:Basics of Software Defined Radios and Practical Applications	Y	Y	Y	4.3
85	108106105	57	NOC:Analog IC Design	Y	Y	Y	42
Discipline : Nanotechnology Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/nanotechnology.pdf							
1	118102003	40	Nano structured materials-synthesis, properties, self assembly and applications	Y	Y	Y	34
2	118104008	45	Nanostructures and Nanomaterials: Characterization and Properties	Y	Y	Y	20
Discipline : Atmospheric Science Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/atmospheric-science.pdf							
1	119106008	41	Introduction to Atmospheric Science	Y	Y	Y	29
2	119108004	38	Radiation Heat Transfer	Y	Y	Y	11
3	119108006	42	The monsoon and its variability	Y	Y	Y	11
Discipline : General Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/general.pdf							
1	121104005	40	Introduction to Japanese Language and Culture	Y	Y	Y*	18
2	121106003	20	Ayurvedic Inheritance of India	Y	Y	Y	9.3
3	121104006	5	Astronomy in Ancient, Medieval and Early Telescopic Era of India	Y	Y	Y	3.6
4	121106007	48	NOC:Introduction to Research	Y	Y	Y	13
5	121106008	22	NOC:Biology for engineers and other non-biologists	Y	Y	Y	11
6	121105009	20	NOC:Stress Management	Y	Y	Y	5.5
7	121105010	20	NOC:Outcome Based Pedagogic Principles for Effective Teaching	Y	Y	Y	5.2
8	121107009	20	NOC:Introduction to Remote Sensing	Y	Y	Y	5.5
9	121106011	22	NOC:Digital and the Everyday: from Codes to Cloud	Y	Y	Y	26
10	121106012	25	NOC:Effective Engineering Teaching in Practice	Y	Y	Y	32

11	121106013	90	NOC:Virtual Reality Engineering	Y	Y	Y	35
12	121106014	40	NOC:Non-Conventional Energy Resources	Y	Y	Y	77
Discipline : Basic Courses (Semester 1 and 2) Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/basic-courses-semester-1-and-2.pdf							
1	122102004	16	Applied mechanics	Y	Y	Y	4.4
2	122102007	39	Management Science I	Y	Y	Y	11
3	122102008	36	Materials Science	Y	Y	Y	15
4	122102009	41	Numerical Methods and Computation	Y	Y	Y	9.1
5	122104015	31	Engineering Mechanics	Y	Y	Y	6.8
6	122104016	29	Engineering Physics II	Y	Y	Y	6.2
7	122104017	32	Mathematics I	Y	Y	Y	3.4
8	122105020	22	Human Resource Management-I	Y	Y	Y	4.6
9	122105021	13	Leadership	Y	Y	Y	2.7
10	122105022	29	Management Information System	Y	Y	Y	5.8
11	122105023	44	Physics I - Oscillations and Waves	Y	Y	Y	9.2
12	122105024	11	Strategic Management	Y	Y	Y	2.3
13	122106025	40	Basic Electronics and Lab	Y	Y	Y	11
14	122106027	38	Classical Physics	Y	Y	Y	8.6
15	122106028	10	Engineering Chemistry - I	Y	Y	Y	2.7
16	122106033	38	Numerical Methods and Programming	Y	Y	Y	9.8
17	122106034	31	Quantum Physics	Y	Y	Y	7.2
18	122107035	40	Engineering Physics - I	Y	Y	Y	24
19	122107036	38	Mathematics - II	Y	Y	Y	7.5
20	122107037	39	Mathematics - III	Y	Y	Y	7.7
21	122108038	40	Concept of Management and Evolution of Management thought	Y	Y	Y	11
Discipline : Mining Engineering Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/mining-engineering.pdf							
1	123105001	36	Fundamentals of Environmental Pollution and Control	Y	Y	Y	11
2	123105003	40	NOC:Drilling and Blasting Technology	Y	Y	Y	11
3	123105004	20	NOC:Network Analysis for Mines and Mineral Engineering	Y	Y	Y	5.3
Discipline : Architecture Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/architecture.pdf							
1	124107001	40	NOC:Housing Policy and Planning	Y	Y	Y	11
2	124105001	40	NOC:Landscape Architecture and Site Planning - Basic Fundamentals	Y	Y	Y	12
3	124107002	20	NOC:Visual Communication Design for Digital Media	Y	Y	Y	4.6
4	124105003	43	NOC:Architectural Conservation and Historic Preservation	Y	Y	Y	11
5	124105004	40	NOC:Architectural Acoustics	Y	Y	Y	11

6	124107004	40	NOC:Culturally Responsive Built Environments	Y	Y	Y	12
7	124107005	40	NOC:Contemporary Architecture and Design	Y	Y	Y	10
8	124107006	40	NOC:Role of Craft and Technology in Interior-Architecture	Y	Y	Y	11
9	124106009	20	NOC:Introduction to History of Architecture in India	Y	Y	Y	17
10	124107007	60	NOC:Urban Governance and Development Management	Y	Y	Y	12
11	124107008	20	NOC:User Interface Design	Y	Y	Y	5.8
12	124107010	40	NOC:Disaster Recovery and Build Back Better	Y	Y	Y	8.1
13	124107012	40	NOC:Structure, Form and Architecture: The Synergy	Y	Y	Y	9.9
14	124107011	60	NOC:Sustainable Architecture	---	Y	Y	14
Discipline : Agriculture Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/agriculture.pdf							
1	126104001	26	NOC:Basic Crop Production Practices (BCPP)	---	Y	---	1.9
2	126104002	46	NOC:GIS in Ag-Essentials and Applications (GIS)	Y	Y	Y	3.9
3	126104003	47	NOC:Integrated Pest Management (IPM)	---	Y	---	5.7
4	126104004	49	NOC:Nutrition, Therapeutics and Health (NM)	---	Y	---	4.7
5	126104005	36	NOC:Weather Forecast in Agriculture and Agro-advisory (WF)	Y	Y	Y*	3.2
6	126104006	45	NOC:ICT Basics	Y	Y	Y	3.2
7	126105008	60	NOC:Momentum Transfer in Process Engineering	Y	Y	Y	16
8	126105009	60	NOC:Farm Machinery	Y	Y	Y	14
9	126105010	60	NOC:Irrigation and Drainage	Y	Y	Y	17
10	126105011	60	NOC:Fundamentals of Food Process Engineering	Y	Y	Y	17
11	126105012	56	NOC:Soil and Water Conservation Engineering	Y	Y	Y	11
12	126105013	60	NOC:Dairy and Food Process and Products Technology	Y	Y	Y	16
13	126105014	40	NOC:Organic Farming for Sustainable Agricultural Production	Y	Y	Y	10
14	126105015	60	NOC:Novel Technologies for Food Processing and Shelf Life Extension	Y	Y	Y	18
15	126105016	60	NOC:Soil Science and Technology	Y	Y	Y	16
16	126103017	31	NOC:Thermal Processing of Foods	---	Y	Y	19
17	126105018	60	NOC:Thermal Operations in Food Process Engineering: Theory and Applications	Y	Y	Y	16
Discipline : Multi-Disciplinary Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/multi-disciplinary.pdf							
1	127106001	83	NOC:Neuroscience of Human Movement	Y	Y	Y	71
2	127106003	76	NOC:Manage TB	Y	Y	Y	40
3	127106004	45	NOC:Ecology and Environment	Y	Y	Y	38
4	127101010	32	NOC:Designing Learner-Centric MOOCs	Y	Y	Y	6.3
5	127105006	42	NOC:Fuzzy Logic and Neural Networks	Y	Y	Y	11
6	127105007	43	NOC:Entrepreneurship Essentials	Y	Y	Y.	12
7	127105008	39	NOC:Roadmap for Patent Creation	Y	Y	Y*	20

8	127106009	13	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India	Y	Y	Y	4.6
9	127106010	11	NOC:Regulatory Requirements for Medical Devices and IVD kits in India	Y	Y	Y	5.8
10	127108005	20	NOC:Teaching and Learning in Engineering (TALE)	Y	Y	Y	3.4
11	127101012	18	NOC:Introduction to Learning Analytics	Y	Y	Y	3.5
12	127101013	31	NOC:Designing Learner-Centric e-Learning in STEM Disciplines	Y	Y	Y	9.3
13	127101014	25	NOC:Sustainable and Affordable Sanitation Solutions for Small Towns: Policy, Planning and Practice	---	Y	Y	17
14	127105017	41	NOC:Accreditation and Outcome based Learning	---	Y	Y	15
15	127105018	60	NOC:Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts	---	Y	---	18
16	127106019	113	NOC:Numerical Methods for Engineers	---	Y	---	44
17	127108015	19	NOC:Teaching and Learning in General Programs: TALG	Y	Y	Y	4.7
18	127108016	35	NOC:TALE 2: Course Design and Instruction of Engineering Courses	Y	Y	Y	9.0
19	127106134	22	Basic Course in Biomedical Research	---	Y	---	6.6
20	127106137	28	NOC:Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs (Version 2.0)	Y	Y	---	15
21	127108135	62	NOC:NBA Accreditation and Teaching Learning in Engineering (NATE)	Y	Y	Y	14
22	127106136	14	NOC:Regulatory Requirements for Medical Devices including in Vitro Diagnostics in India (Version 2.0)	Y	Y	---	6.8
23	127106135	89	NOC:Thermodynamics	---	Y	---	47
Discipline : Special Lecture Series Go to Top							
Video Lecture Topics @ http://www.digimat.in/downloads/topics/special.pdf							
1	128106001	103	ACM Summer School on Graph Theory and Graph Algorithms	---	Y	---	105
2	128106002	73	ACM Summer School in Data Science (Goa)	---	Y	---	47
3	128106003	9	Topics in Theoretical Computer Science	---	Y	---	17
4	128106004	20	Researching Anglo-Indians in India and the Diaspora	---	Y	---	13
5	128106005	33	Dravidian Temple Architecture and Construction Techniques	---	Y	---	72
6	128106006	20	ACM Summer School in Data Science (Bangalore)	---	Y	---	49
7	128106007	36	ACM Summer School on Algorithmic Game Theory	---	Y	---	9.3
8	128106008	33	ACM Summer School on Graph Theory and Graph Algorithms	---	Y	---	21
9	128106009	34	ACM Summer School on Compiler Design and Construction	---	Y	---	9.8
10	128106010	38	ACM Summer School on Geometric Algorithms and their Applications	---	Y	---	10
11	128106011	47	ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning	---	Y	---	12
12	128106012	20	ACM Winter School on Hybrid Cloud	---	Y	---	5.8